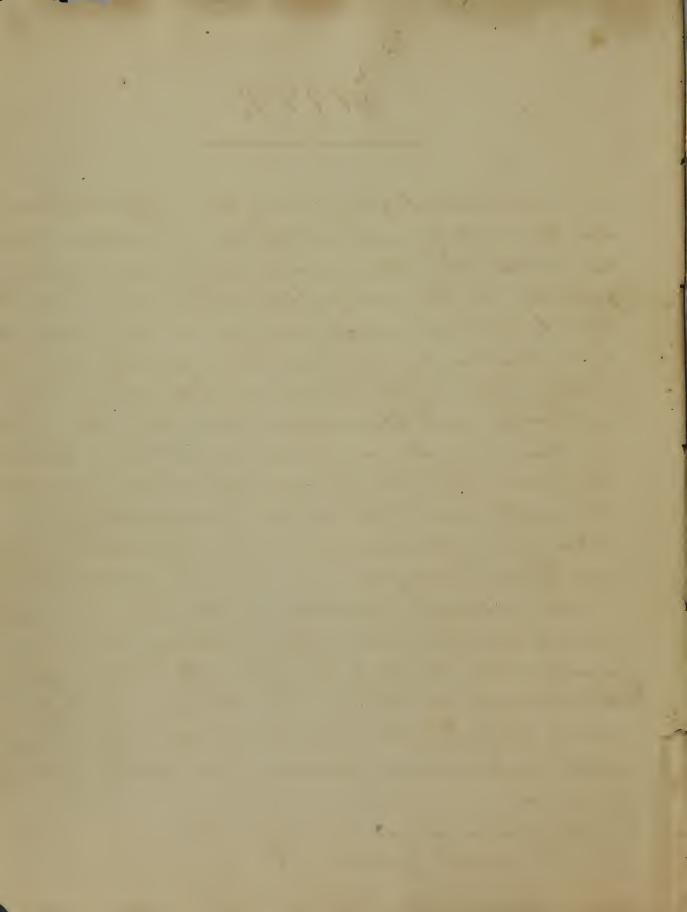
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Ferren.

Autumnal fivers, in all their different forms, are the result of march exhalations. It is proper, however, to state, that the marshes, mill-ponds, stagnant pools, ob., an The most finitful causes; get per must admit, that autumnal fivers occasionally appear in high situations, & in plans which are generally reputed healthy. During the puralince of the spidemic from in 1820-21, such plans suffered more than those which per low, &, usually, much more subject to the diseases. This proves, that though many facts have been established with regard to the causes of autumnal fivers; get per have still much to learn. It is certainly contrang to our usual experience, that Gumantown which has been called the Montpelier of America, should be more sickly than so low a piece of land as that commonly called the Neck, lying below Thiladelphia, between the Sclavare & Schuglhill. This, however, was the fact during the fall of 1821; & such facts, though they may oppose our preconcined opinions, it is, nevertheless our du

Aquestion now arises, - what is this autumnal from? On this subject I shall make a few general observations, Autumnal five is a disease which varies considerably in different publicts, though they all may have been exposed to the operation of the same cause. This difference probably arises from those varieties of constitution, which are either natural to individuals, or result from peculiar habits I exposures. In the same family I have seen every grade of disease from fivers exceedingly danger ous & malignant, to the common intermittent phich andily yields to the usual remedies.

There are two general forms of fiver, which are the offspring of marsh exhalations - The premittent & intermittent from. In the remittent there is a temporary abatement of the violence of the fibrile paroxyom; in The intermettent a complete cessation of disease occurs for a time, & is preceded by another paroxyom. A person who has been subjected to the influence of march exha-Valions, & is about to experience their usual effects, is generally warned of the approach of disease by some premountary symptoms. Instead of being ouddenly cast down from a state of apparent health, he is generally littless, indisposed to exertion, with sensations of cold creeping through his body, followed by flushes of heat, pain in the head, back & limbs, Dickness of Stomach, & sometimes vomiting of bilions matter. Our remittents generally commence with a chill; but, in many instances, a distinct chill is wanting. Naisea is a very

common accompaniment of this stage. After the cold stage, the system reacts. I we have a hot skin, existed pulse, flushed faw, pain in the head, restessness, with other symp. towns that mark the existence of five. There go an increasing, till sometime in the afternoon, the paragram generally gets to its hight; it relaxes in the evening, I in the morning we often find the patient with a moist & comparatively, and thin; or, in other words, a remission has taken place. Wet the intelligent practitioner soon perceives by the excited state of the circulation, the appearance of the tongue, I the general aspect of the patient, that he is labouring under a full-formed five. This will go on for 5, 7, or 9 days, or even for a longer time. Occasionally it will assume the typhoid form, I become very tidious.

Intermittents are much less to be duaded than remittents; for, in the first, you have frequent intervals of complete freedom from from, when you have an opportunity to pour in your remedies freely, & prevent a recurrence of the paragraps.

But there is a kind of monopul disease, between the inlumittent & remittent, which, in many instances, is more to be dreaded than either of the other forms. This occurred in a few cases in the opidemic which prevailed among us in 1821, & since that period. Every day something like a chill occurred, followed by an exacerbation of fewer with an imperfect intermission. Some of the most dangrows cases I attended prec of this character. I will now make a line aineral observations on a

plain common case of remillent fever, as it is usually with in our country. When developed in a clear unequie or al manner, this is a disease which, in a large propor-

him of cases, may be managed with the happiest results. When called to a patient with an open, full-developed case of common permittent fines, the first indication is to evacuate the stomach & bowels. The practice of attempting, in the first instance, to rimove the nausea by antacids, & tranquilize the stomach by anodynes, is generally empropa. To produce amesis, in this caso, a combination of iforamanha & antimornial wine, in the proportion of grxxx of the formed to a disself spoonful of the latter, is probably The most pritable; recommending the palient to drink copiously of topid drinks as soon as the vomiting commences. The outhains is best produced by a combination of calonel & jalap, in the proportion of gr x of the former to gr XX of the latter. If this should not produce punging en 4 or 5 hours, a quantity of the mentral salts should be taken every how, or every 2 hours, until the bowels are completely evacuated, & The stools lose Their offensive

In a young & vigorous subject, of an inflammatory diathesis, when then is great restlessness; high arterials action, intense poin in the head, & a burning heat in the surface, v.o. may preeds the foregoing remedies. Occasionally bluding is called for two or three limes. But

I wish to guard you against the idea, that by the fugreat use of the lancet, you will be anabled to subdue the fever. This is a notion which has been production of much mischief. By bleeding in every paroxyom, with a view to destroy fibrile action, & Their eradicate the disease - without succeeding in your wish, you will exhaust the vital power, & render it less able to struggle against the force of the disease. The remedy is often useful; but I have no doubt that a vast member of cases pun their course happily, from their commencement to this termination, without calling for the larest. I I wish to inspuss your with the conviction, that to attempt to cut short a fever by repeated bleedings, is a very dangerous practice, a practice Shich I conscientionsly believe has produced a vast deal of mischief. Local dipletion is, in most cases, prefuable to general bleeding. Cups or luches applied to the head will often as affectually remove the pain as the lancet, & with much less diminution of strength.

When there is a day, hot skin, great restlessness, & insatiable thirst, cold ablation will be found quite as effective at as W.S. in allaying thirst, diminishing the restlessness, & restoring the natural state of the surface, without diminishing the strength of the patient. Brandy & water is prefuable to vinegas & water, because it more speedily evoprates. In the use of ablation, the shirtest attention should be paid to the directions of Dr. Currie of Liverpool. The found that the most advantageous time for woing it is.

when the examination is at its height, or immediately of the it is begun; Though he observes, "It may be porch at any time when there is no sense of chilliness present; Then the heat of the surfaced is steadily above that is natural; I when there is no general or propuse persprivation". It is invaluable reservedly into disrepute.

When the patient complains of pain & uneasiness in his head, attended with a flushed face & high fibrilo excitiment, his hair chould be cut short; & if this does not mitigate the violence of the symptoms, the head should be shaved & freely exposed to cool air. In cases of high excitement, attended with violent pain, quest advantage will be derived from the application of bladders of pounded in to the head, which should be removed & reapplied as the sensations of the featient indicate.

enally of minor importance, in the estimation of those in altendance on the pick; such as placing the patient in a cool well untilated apartment, & allowing him a liberal quantity of cool drinks, among which cool water is the most valuable when there are no circumstances to contraindiate its use, as the presence of a chill, or the stomach & bowels being under the full effect of a dose of carthactic medicine.

Indorifies are usually found beneficial; & during

Their administration topied drinks should be given. The most agreeable of beneficial article in this class of remedies, is the citiate of potash, administered in the form of the effective or draught. Antimonial medicines may occasionally be given with decided advantage.

Blistering, in some cases, may be resorted to with the most pleasing usult: and if here is any remedy capable of subduring five, that remedy is, unquistionably, blistering with cantharides. It is pulliarly adapted to cases attended with great uncasiness & distress, without any topical affection; where there are frequent jactitations of the body, & the palient complains of pain & somewas in his limbs. In such cases longe blisters applied to the arms or legs will very frequently be production of the happoint affect.

Jonis & Stimulants are demanded, even in cases which commence with inflammatory symptoms and require one or two bleedings, when, on the 5th or Mh day, instead of a polition of the disease, we find it assuming a loss & continued form. In this low form of fives the tongue is often loaded with a thick few. If this few cleave off suddenly, & leave the tongue clean, we to moist, it is generally, if not always, a sure indication, that the patient will recover; though his convalisation will be very probacted & tections. If the tongue clean puddenly, but remain dry & chopped the patient is in a very dangerous pituation, as these

symptoms are indicative of a fatal termination. On the contrary, if it clean slowly, beginning at the tip & edges, & advancing gradually to the centre, we may expect a speedy & happy termination of the disease, & a rappid & sperful convalisation. When The first appearance of cleaning is pereptible, in cases Then it cleans suddenly; when we have the first inducation of the loosening of the few, we frequently discour an alteration in the voice of the patient who complains of a sou throat. This change of voice & sone throat which, on many occasions, is to be dreaded as indication of great danger, is here to be hailed as the harbinger of convalisation. If the fawas be examined at this period, they will be found ud & glassy widently showing that they had been covered with a fin similar to that of the tonger, & that The clearing away of this fur, has caused the alteration of the voice & sources of the Phroat. In these low forms of fivers all depressing passions of the mind should be carefully avoided, & all accedental accurrences producing disappointment to the patient, especially those relating to love affairs, should be carefulby heft from his hearing.

In this form of disease we not unfrequently med with a tympanitic abdomen. In such cases the intestines have suffered so much from disease, I become to much. delilitated & exhausted, as to be incapable of properly con-

hacting on their contents: I their muscular films vadily spield to the expansion of the gasses they may hap pun to contain. An object of primary importance in this state of things, is to maintain the peristaltic action of the bowels by remedies calculated, at the same time to shimulate & invigorate the systems. The best remedies for this purpose is the tricture of thereback with cardamon seed, warner's yout condial, and the spirit of temperation.

It requires considerable attention to regulate the use of Stimulants in this extremely low cases of disease, for in many instances, the quantity of Stimulus which is newsoary to arouse the pystem from its state of torhor, would, if improperly continued, produce under excitement & dangerous consequencis. Where there is low, multing delicium with dularess of sensations, I have no hisitation of resorting to stimulation: but when the senses are acute, with logicality, & a disposition to make remarks on surrounding objects, I am disposed to think the brain is underly excited, & I feel an objection to comploying wine, bash, Hr. In such cases I generally apply a blister to the head, yet there are exceptions over to this rule.

Murany as a remedy in resnettent fever, has, at times, attracted a considerable deque of attention. Dr. Wistan, although he prescribed mercung liberally in some diseases, was awase to its employment in this. I be-

liew that in some particular cases, mercung given with a view to correct the secretion of the live, may be production of the greatest advantage: but experiment me hat a salivation is not capable of arcisting the disease. In cases where actions evacuation is not admissible, & strimulants are not demanded, I have been greatly pleased with the effect of calomet, in doses of it or to of a grain every hour, & continued every day, or every other day for some time, agreeable to the directions of April The says it regulates the action of the liver. Mercury their administered, in their cases, I consider as a remedy entitled to considerable attention & confidence.

It is newsoary that physicians should be acquaint ed with the fact, that occasionally in fever, we meet with a state of the month similar to that which occurs in cases of solivation from mirewy; but when that medicine has not been administered. Dr. Rush once saw it in a case of preumonia, I was severely consued by the husband of the lady for having given mercury to his wife without his consent, but no mercury had been given. These cases of spontaneous salivation require the antiphlogistic plan of treatment, I when the subject is young & vigorous, V. J. may be resolted to with advantage.

I will now direct your attention to some forms of fever less rapid in their progress; but arguing great

one to manage Them successfully. Almost every seaone, either from humbiarity of constitution, or some other
asuse, we find some cases of remittent from which deviate from the common course. The remittent, as it
would occurs, may be regarded as a very manageable dissase, I in a large majority of instances, the patrint recovers: but occasionally it assumes a different aspect, I it is my intention to give an account
of some of these anomalous cases.
COASE of S. M. - The patient had been angaged

in building Friends Meeting house in Twelfth sheet, A short distance from the building, to the west of it, some ground had been overflown by the heavy rains. The was daily exposed to the miasmata, I felt quite unwell for several days before he was confined to the house. On the day before I was called, he staid at home I was belied by his own direction. Finding himself no butter, he sent for mo. When I saw him he was complaining of great giddiness in the head, with some pain I general uneasiness through his limbs. His pulm was initable, but seithete of tension, I it entirely forbade the use of the lancet.

My altention was first directed to the free evacuation of his bounds, & for this perspose I derected a cathastic. I admised a free circulation of air in his chamber, & the liberal use of cold abbetions over the Whole body, when the skin was permanently hot & dry, & There was no sins of chilliness present. On the second day of my alteridans, something who cholina oumid. Copious discharges of bile took place from the planuck & bowels, & I perceived the pulse hegin to fail very perceptibly, so that I was under the necessity of blistering his wrists, using sinapisms, to, and of employing ou anomally the chalk julah. These onrested the symptoms; & he continued almost in a stationary state, until the night of the 22. Surrously Seltyes poster had been jised peely, tinapirms occasionally, Chicken water, He, & cold abletions when his fire agained Them. On the morning of the 23, I was alaimed with The Strong lendency of his pystem to sink. His pulse was very fuble, his stomach, rather initable, & every symptom indicated great prostration. I usualed again to blisters & Dinapisms, & employed wine andessine of beef. I requested a consultation. My friend, Dr. S. P. Griffills, Dans the patient with me; & our views of the case corresponded exactly. To prop his systems was the prominent indication. During the 23 & 24th, he discharged black blood from the mouth & gums, and also a little from his nose. At this junctions his stomach was initable. Great benefit was derived from bathing him feely with the decoction of canthandes in spirits of turpentino, as directed by Dr. Hartshown. It visicated him slightly from his throat to his abdomen. His

extremities pour often rubbed with the direction diluted with oil. When the heat of his skin punk below the natural standard, the diligant use of this devoition was of great importance. In order to give tone to his stomath we gave him the extract of quassia in hills every hour. After they had been given for some time, we gave git of volabile alkali every hour, followed by a glass of the devoition of supentaria. We also plied him most dilligantly with good Madeira & assure of beef. The latter was afterward changed for essence of meetlow. It towards the conclusion, sheen he became tired of wine, we gave him porter. Under this headment he gradually recovered, &, I hope to my humbling admiration.

ist to diawhaa, from an attack of which he had just recovered. When the five first suiged him I was not at all abarmed. For the first day or two, I contented myself with simple treatment. On account of his liability to diawhood his bowels were tenderly dealt inth. I, after a lettle evacuation, I relied on mild remedies; such as the spiritus minderer, antimorial wine, bathing the feet, & the application of poulties to the soles. In this condition things continued for one or two days. At the application of powers, finding the discuss the application of these, however, finding the discuss the soles. In the application of these, however, finding the discuss that most succeed in anisting its progress. In a short

time the disease assumed its genuine character, and proved to be a very dangerous malignant from. The blistered surfaces assumed a dark & bloody appearance. The patient was in a state of constant deliceum or the por, the pulse became plow, I all the symptoms indicated the Speedy approach of dissolution. I was assorted to the stimulant plan of treatment. In consequences of The laxative condition of the bowels, I directed Port wing, shich possesses the property of astringing to a consider erable extent. De. Physick was called in consultation, & Dr. Potts gave his assiduous attention to the palient. In addition to the fort wine, which was spield & administered at short intervals, Dr. Physick proposed the volatile alkali. I was somewhat afraid of this . I Thought it probable, that Fort wine & volatite alkali would form, in the stomach, a neutral salt which might act on the bowels, & reduce the strength of the patient. It was tied, however, & no inconvenience ocourid. The attendants were directed to hinder the patunt from sluping long at a time, as this has a great tendency to prostate the system. Bark was also exhibited in the course of the case. By the most diligent can I Dempulous attention in the administration of the remedies just mentioned, he gradually recov.

The next season he was again attacked with five. Not yet thoroughly acquainted with his constitution,

I calculated that I should be able, by an ometic of iperacuanha, by pediluvia, early blishing, & induing perspiration, to succeed in arresting the five. I was a fraid of resorting so early to what I afterwards found to be the proper practice. Two or three days elapsed before any effectual heatment was adopted. I then omployed the back & seine, with other stimulants & tonies, & connected with these, the use of blisters. Much this heatment he was rescued from extreme danger.

Sometime after this spell, in the sunding year, he was again attacked. Knowing the peculiarity of his constitution, that then from laid its hand whom him, it reduced him to the lovest situation, & brought him into the very jaws of death, I determined not to delay action treatment till he should begin to sink, Instead, therefore, of loving line by the un of sudorifus; after armtying the alimentary canal by a small dose of whileart, regardless of any remission in the five, I at once commenced with the use of back & wine. X, to my great joy & the delight of an affectionate mother, the disease was arrested in a short time, & the danger reinoved as by a chann. The back was prepared by adding supertaria & salt of laston, & forming a hot infusion in Madeira wino. A tea spoonful was given exenghow. I now believe that had I been well acquainted with his constitution before the previous attacks, I should have been able, by the same kind of breatment, to have produced the same effect in his first illness. This example shows, that the common belief relative to the importance of understanding the constitutions of our patients, is not without very good foundation.

Themittents of a mild, & even those of an inflammatory character, un sometimes into a very protected form. I have often attended patients in this sitnation. The disease is sometimes so inflormatory in The commencement as to admit of one or two bludings. The patient goes on tolerably well till that period, The The or 9th day, I when we might have reason to hope for a solution of the five. About this time the disease changes its form, loves that condition which would admit of venesation or active depletion; I though in comman it does not call for plinelant treatment, get the system languishes, & some support is necessary. In this kind of frew, there is often a state of the tongue shirt, to young practitioners, is exceedingly followious. In common it is cound with a thick court of for : but in cases I am now describing, about the 4th or 9th day, the tongue suddenly cleans, & the fur breaks off, not as usual by degrees & commencing at the edges of the tonger, but in large flakes & at one. After it has become dean, instead of presenting the natural papillary Auction, it appears smooth & generally aid. When I see this glassy appearance of the torigue our in cases of remittent frew, I am generally confident that the disease will be protracted. In comsuch the patient will recover, but he will be ill for

a long time, & often in some danger. Almost every season, fifore the end of autumn, a physician in full practice will have to deal with a few cases of this discription. When they run on in such a manner for a long time, they are commonly called nervous fevers. Sometimes the peptin is worn out, & the case terminates fatally.

In order to illustrate the danger of tympanitic abdomen, I will relate the following case as an example:

Case of O.S. - I was mut for 9th mo. 1814, to see O.S. He was attacked with a mild remittent fives, & at first view, There was nothing that led to the conclusion That the disease was about to be very serious. It proceed ed, however, to the low state before described, & all our of forts to reserve him were unavailing. Among the unfobourable symptoms in the latter period of the disease, were profuse queats. A gentle or even a profuse perspirahow, shen we may expect the crisis of a fiver, may be regard ed as a favourable prognostie: but the fuquest recurrence of profuse & spontanions preats in the latter period of a low fiver, so for from being hailed as a good omen, should be considered as diretty the reverso. Another impavourable symptom in the last stage of this case, was tympanites of the abdomes. When in a probabled fever, the belly becomes lympasitie, or sounds like a drumb on being Struck, you may always consider the patient in wheme

This symptom depends on an approach in the bowels to a state of death. Their tone is completely goon; I if they were before irritable, they entirely lose their irritar beliefy. The reason of this is plain. The hympanilis state of the abdomen puts a stop to the peristable motion; the bossels are very much distended, I the power of contracting on their contents is lost. Sometimes I have seen cause of recovery; but there have been very raw. As an instance of this patien, I will relate the following:

Case of S. - In the autumn of 1821, I attended this young man in consultation with Dr. Me blekhow & Eberle, He laboured under a loss & protracted remitbent; I when I first daw him, his belly was tympanitie to a great digres. We tried a strong direction of the best red back with a targe tra spoonful of Huxham's tineture, every two hours: also a julah composed of half an ounce of spirits of tempentino & four ounces of mucilago, a table spaonful of which was administered every two hours; I ten drops of tandamum were given every four hours. His strength was supported by essence of beef & Madina wine. He tothe a glass of wine every how for several days. Under this treatmust be perfectly recovered. We derived much benefit in this case from the aromatic timeture of wherbarb as a mild pungs.

EWSE of J. L. - In the fall of 1821, I attended J. L. Who had an attack of five which commenced like a quotidian, & with symptoms apparently mild. In a short time, however, it assumed a mongul form, between an intermittent I remittent, I the patient was soon reduced to a state of extreme danger. About the The day, his pulse was leavely perceptible & his belly tympanitie. I used bask, volalite alkali, He; but the patient grew worse. I then tried the turpentine julap which had a most remark. able affect. I also used the aromatic tineture of whenbarb for the purpose of maintaining the peristattic action, Which, in these cases, is of vast importance. After an apporent airis the disease assumed quite a different character. The patient became loquacions, & there was weidently a disposition to phrenitis. I laid aside stimulants & resorted to purgelines, & he recovered completely.

As remetent five will engage so much of your attention when you enter into practice, because almost every mightouchood is more or less liable to them during autumns, it becomes important that we should dwell on the subject more at large, than will be newsoary for some other diseases. I will, therefore, detail to your a few eases, differing in some respects from those before related. I will then communicate some observations on malignent intermittents. When heating of the causes which produce malignant remittents, I might have mentioned a case, to show that regitable matter in a dead or decaying state,

is capable of producing a formidable state of disease. The case is the following:

Case of J. G. - This old man who had lived in New Jersey all his life, finally fell a viction to a dreadful attack of bilious fever. For a few weeks before his attack, The Deason had been uncommonly wet. He had a quantity of hay in his meadows, which, in consequener of exposure to the rain, was much injured, and so for advanced towards putupaction as to be very offer. sive. Having been engaged with his men in spreading out this hay to dry, on his return home, he said the smell was so offensive that he could searchy bear it. Soon after this he was attacked with some disorder of the Stomach & bowels, & felt chilly & quite unwell; but did not confine himself to the hours. This indisposition commenced on the day; he attended meeting the next day, when coma with a disposition in the systen to sink, busme apparent. I saw him on firstday afternoon. His countinance had assumed a malignant aspect; his respiration pas laborious, La disposition to coma was wident, though when roused he could give a conrect answer to any question. His orption was sinking, & he was wedently babouring under a actintion of wine. I introduced a calleter, & drew of a considerable quantity. We endravoured to prop his system by resorting to the most powerful stimutants; but in vain. He died in a few

hours after I lift him. It is remarkable that none of his people who were exposed among the hay, were affected with disease.

Another case I think worthy of attention; because after back had been liberally employed, & had failed of producing the desired effect, we changed the plan of heatment, found the symptoms to improve, & afterwards retorted to the back with great advantage.

Case of J.D .- The case commenced like a quotidian with chill & fever followed by sweat every day. The patient complained considerably of the head, but his pulse would not admit of bluding. The state of the borsels was attended to, & then Despentaria was employed. Afterward back was and, but without arresting the disease. His stomach was at first rather initable; I, by the use of warm water, he vomited freely . - He is subject to dyspepsia, for shih I had once attended him. On the morning of the 27th, Though he had taken 3ij of the back in substance, the preceding day, I was alarmed at finding him in a state of great debility, with an extremely frequent & feeble pulse. I ordered Maderia prino, & blisters to the wrists, & requested further advise. Dr. Wiston par him with me. As the back had failed, we our pended its use, & resorted to supertain & sellyer water, with blisters to the legs. The bowels, when his orptim admitted it, some gently evacuated; I finding that his five continued, Dr. Wiston proposed antimonial powders, so as to nauscate

the Stomach. Their effect was watched closely, to observe how they might be borno. They certainly produced a happy effect, & a very distinct remission was observed. Bark was now tried again, & with success. The case was puedian in consequence of the great debility, & uncommon frequency of feelse. I think it was 130 strokes in the min-

Case of A. R. - In the liginning of the 10th month, 1818, I was called to see This little girl who was extremeby ill. She was delicious; but her delicien was of a peculiar Character. Her hearing was acute, & her Dinsiliel ity to the impression of surrounding objects was quat. In fact it seemed as if the affection of the head pass of the phrended character, & although there was great apparent prostation, I delayed strimulants in consequence of the qual sinsibility of his mind: for, as I have already told you, whenever, in from, I see low, multing delineum with evidences of great debility, I have no fear of the head, but when I observed an acute state of the mind, with a disposition to make observations on surrounding objects, togeth. er with great quickness of hearing, I am inclined to believe that The beain is excited, & disrudants, of consequence, inspeoped. I. advised a blister to the head, which her parents opposed. About This time her alvine discharges & her wine became bloody. Dordes collected about her mowth, & her tongue was brown & day. I now determined on the use of wine without reference to the head. After this Dr. Dorory Daw her with me. We

now blistered her head, I with the wine gave 8 or 10 deaps of landamen every few hours. Notwithstanding the threatning symptoms of her head, she completely recovered. But her tongue cleaned smooth, I her convalisiones was very tedious. The had a frequent, fibrile pulse for several weeks, I back was used advantageously.

Good of Mary Ro. - On the 29th of the same month in which I visited A.K., I was called to see her sister Many who was altacked posth chilliness, frain in the head & homes, H. I did not think that she required V.I.; but cleared the frist passages by an ametic & cathactiv. A most alarming that of debility followed these evacuations, Is that I was under the newsity of flying at once to blisters, timepisms, the free was of wine, & animal soups. There remedies round his. But, though she was rescued from minent danger, yet a low state of fever continued for swend weeks, & required the employment of wine, bark, I went weeks, & required the employment of wine, bark, I went of beauty were also und with advantage. The recover.

Case of E. K. - Another sister pass attacked on the 3rd of the 11th month. The first passages were cleared; but she soon passed into a very feeble state. Her tongue became foul & dark, sorder collected about her lifts & teeth, & she complained qualty of her head: But from my experience in her dister A's case, I made this a secondary considera-

tion. I had the hair shaved off, & for some days stim ulated the scalp with mustard, & at last applied a dister. The extremilies some also blisterie. I gave her a. bout a wine glassful of wine every hour, & a pap-spoonful of Huyham's tinction every two hours. I was particularly careful to keep the bowels open with gentle midicino, especially with wherbarb, About the crisis of the disease, I thought it was all over with his. She had sueral large & perfectly involuntary evacuations from the bowels, which I consider a very danguous symptom in an adult. In young persons, I do not so much regard it. Om day I visited her soon after She had had a large involuntary evacuation in bed. At this time her cour terraine had a very unpromising aspect; & her rispiration was labourous, amounting almost to low & fuguest growing. I directed a blister to the breast, & gave her strong wine they very freely, & volatile alkati owing how. The revived, I her tongue began to clean. The dark coat broke away, & it cleaned rather smooth - a sun sign of a tethious convalescence.

A little boy, brother to these young women, I also attended at the same Time. He was very ill. Instranty blistened his head; but also his extremilies. I applied sineprisms to the scalp before blistering - This is, in some cases, a good practice. He recovered under the same plan of treatment, as that which was employed in the case of his disture. This tongue chand smooth, I convolusione was tedious.

Gase of B. A. - I was called to B.A. on the 24th of the 10th month, 1818. He had been ill several days before I saw him. His complaint appeared to be a remittent, & from The apparent action in his Deplew, I thought he would bear bluding in addition to cleaning the first passages. But his pulse soon became very weak; although he bore The bluding well; I his head was much relieved by it. I blistered his wrists: last notwithstanding all my efforts, great debility onceeded - his tongue became almost black, Ander collected about his let & life, his pulse par very weak & frequest, & he was affected with Aubsullis tendinum. I now commenced a small dimulating plan. I directed a glass of wine every how, a dissert spoonful of the last Hugham's tincture every 2 hours with the free use of calois fut jelly, easence of beef, &. This head was shaved, & a sinapism applied to the scalp. My friend, Dr. Mone, saw him with me. But before this, finding that the remedies used did not rouse his prystem as I wished, I put him whom the use of the luxpentine julap. A table spronful was given every how. The effect of the harpentine was a most happy one. His system responded to the treatment, his tongue chand hiddenly & smooth, & his recovery was consequently slow. When he was in his most dangerous state, he was unable to protends the tongue - This I regard as a dangerour symptom. He was covered with a morbid sweat; & one morning he was supposed dying : he was in a propound coma, his pupils very contracted, & he could neither speak now swallows. I directed sinopisms, & frictions with the decotion of cantharides & sprints of turpentine. Whether this come depended on 20 or 30 drops of landamen, taken in the night, I could not say: be that as it may, it, happily, passed off. He discharged his prine involuntarity; but I believe the did not his fews. After his tongue cleaned, he had a pulse of 120 for several weeks - I think I have observed this pulse in convalisants when the longue deans smooth & glossy.

The temperation is a most valuable remedy in some of these cases; I when we wish to stimmlate to a great extent; it is sometimes preferable to brandy. It stimulates the system without producing any direct determination to the brain, which is not the case with ardent spirits. As it is hable to produce a calhartin affect when given in large doses, it is proper to administer it in small quantities frequently repeat. ed; &, if it should still purge, to add a little landamum. The turpentine may have a good effect in those cases, in which the bowels are distended with flatus, & the abdomen becomes typupanitie. Typupanitis of the abdomen is a very danguars symptom, from the cause which I have before, mentioned; the same remark will apply to distursion of The stomach. I recollect a fatal case of lighters, I once saw with Dr. Parkins. The domach of the potient was

like an inanimate bag. When water was found into it, it could be distinctly heard guigling in The visans, without the organ itself appearing to have any contractito power. I have generally prescribed the tempentine in this form: I direct half an owner of Pulo. Gum. Arab. & The same quartity of los sugar, four owners of common vater, & 120 drops of opts of terpentine. This is in the proportion of about 15 drops to each table spoonful, which I direct to be given every how, I will now close the Dubyect of remitteent fiver with one or two remarks. Among the remedies proposed in This disease, mucuy, at one time, held a distinguished rank. My presptor, the late Dr. Wistar, never had a favourable opinion of mercury in remittents. Acros fell under his & my observation, which went to proud that it is not capable of areating the progues of the disease. In the fall of 1817, I attended a patient in consultations with Des. Wister & gibband. The case was a most violent attack of bilious remittent, in a powerfully strong mon, about 30 years of ago. He did about The 11th day from his attach. In the early part of his ellness, Dr. Gilhard, after bluding the patient & giving him an emetic & a calhartie, put him on the use of mercury. His mouth was evidently rendered some by the mercung; get It did not appear to cause the slightest change in his Dymptoms. In confirmation of this I will state, that in The opidemic which occurred in the autumn of 1822,

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Dr. Atlee informed me he had one female patient that was severely salivated seithout appearing in any degre to arest the five. And Dr. John Wilson More informed me that the same thing occurred in the Pennsylvania Hospital, during the period of his attendance.

Although I do not believe that mercury will arast The progress of remittent fives; yet since reading Apris work on Marasmus, I feel satisfied that in remittents, espenally in the protracted forms of the disease, & in nervous from, as it is called, very small. doses of mercung may be advantageously employed. I speak not theoretically, but practically. I often use 6 or 4 of a grain every one or two hours. It seldon interferes with the ordinary modes of treatment; & it appears to me to have, when given in this way, a most wonderful influence over the lives, correting the morbid sections of the liver, & causing more healthy bile to be imulged into the intestines; thereby render ing them more soluble, & I believe doing, in some way or other, much good. In pursuing this plan I never desire to salivate.

In remittent frew, I have mot with a few instances of son mouth, assembling that induced by mercury, although none of this medicine had been administered. It is teel to be owere of this circumstance, so that should out ours own to you heafter, you may be prepared to answer any charges thish may be made to your disadvantage.

Malignant Intermittents.

Having completed the remarks which I had to make on similant fivers as they occur out of the usual course, I will now detail to you, a few cases

Case of S. M. S. _ The subject of the present note had been down to Approgramminink to superintend the cleaning of some wood-land. Then he contracted his disease. He returned pick, & I saw him at his brother's our Schulghill. At first it appeared like a quotidian, & I thought on my second wish that it would yild to the use of back; but in this I was disappointed. His disease suddenly assumed a inclignant & alarming appearanes. I think I never witnessed a more dishessing train of Dynn ploms in the accession of a paraxysm. He was in a state of extreme depression, & his nervous system was exassively affected. He appeared every mesment as if he would faint, insisted on having the windows opened, & made most distursing efforts to vomit. His pulse was extremely fuelle; his skin cold, & his respiration so much affected, that he complained of being unable to get his breath. While the patient was Their affected I saw him & gave some vol. Sp. ammo. in water, as this happened to be at hand: but it really appeared to increase his distress. I pland a very large blister own the segion of the Stomach & made the same application to his extremities. I also employed hot opplications, as sinapisms, the; I gave as internal stimulants, Maderia wine, supertaine, porter, essence of beef, calver feet jelly, the, the Material stansent was, in many respects, drimitar to that of S. Mi, s.

In some cases of great prostation, I have observed this difficulty of respiration do depend on a surving consciousness of the patient, that some cause exists which prevents the lungs from property fulfilling their office. This is particularly the case in typhus from:
The patient makes most violent efforts to inhalo, but such is the externe torpor of the nervous system, that the lungs are incapable of oxygenating (decarbonizing) the blood. I hence the sense of sufforcation which the patient so distressfully exhibits. The breathing, in such instances, reminds me of the horses of Duputryen which, when the 5th pair of news were divided, exhibited the same laborious & heaving respiration.

The following interesting ease is more in detail.

Case of S.M. _ 6th mo. 5th, 18.15. I was called yesterday to I. W. whom I attended last fall in a common intermittent. In his present illness he appeared he appeared to be labouring under a regular quotidian of a few days standing, I was seen by my friend Dr. Gallaker for me, Shilo I was an a visit to Burlington. The Dr.

had blid him, & given him an emitich. I saw him twice to-day, I in the evening found him with a month skin, & an alesence of frow. I directed a decostion of Despentaria to be taken cold, beginning carby in the morning. The He was taken with his chill this day, & became extremely ill. I saw him about 12 o' dock, & found his situation dangerous in the oxtremo. He was affectad with violent, sparmodia pains; sometimes in one side, I then in the other; sometimes extending from under the left clavaile downward towards the pubis - he would scream out restently with the pain. His respiration was hurried; his pulse almost too frequent for amunuation; his phin cold, his countinance shrunk; & it really appeared as if his system would such under the load of disease that now oppressed it. His stomach, that vital part, which so often sympa-Thigh with, or rather is involved in, violent affections of the nervous system, was affected with a deven retok ing, which appeared greatly to increase his distress. I immediately resorted to the liberal pose of Landanum, brandy loddy, ginger tea, & Dinapisms exten-Drively applied. These last affected him smartly & Speedily. I directed his feet to be unmersed in hot water by placing them in a flat tub containing the water, & put under the bed dother. This our pied the practice for about two hours. Pout as his septem did

not use as I hoped for, I direction frections of the decoction of canthorides mixed with oil, to be made to his lower extremities. I blisters to be applied to his wrists; a blister was also placed on his side. At my desire Dr. Galliker saw him with me, I we at one concluded to give back a fair trial. We began with it in substance, adding the tineture to each dose; I by taking it in small quantities frequently, he got down about 31. At this time his stomach began to regret it. We then substituted a strong decoction, & gave a table spoonful every how with half a table spoonful of Huxham's timetime: 30 drops of landanum were given occasionally when the patient was restless. One of my pupils remained with him during the night; &, as it was desirable to support his strength with nestriment, he took, frequently, co-Sence of buf & calver feet jelly.

8th. This morning he is still very weak; his hubon is very small I feeble, I beats whowards of 120 strokes in a minute; his countinance is very yellow, I his tongue is coaled with a yellow few. We directed a continuance of the same plan, with the addition of grij; of opium in anticipation of the paroxym, which he most happily escaped. We found him, however, in the evening, till with a prequent & very yellow, in the evening, till with a prequent & very yellow, in the evening, till with a prequent & very yellow pulse; lent, on the whole, rather improved. We arduid a regular continuance of the back every how,

& drinks & nowindsment as before. One of my pupils was again left to pass the night with him.

The He has taken his back pregularly, & is evidently a little improved. But as we greatly dreaded the accessoron of the paroteyom, we gave him, at 10 octors, go is of opium, & continued the back as before. The opicium he has heretofou taken has had very little effect in causing sleep, & his head has been remarkably free from hain, & his intellect clear. Happily, for the poor fellows, he again escaped his paroxygom this day. We continued the back through the night. Who This morning we found him generally improved; his other ofth increased; his pulse stronger & less prequent. We directed his back once as how, instead of half how. The patient recovered perfectly under the use of tonics for their tarty back.

These cases of intermettent frow, happily, are rarely met with in practice. When you see them you will be alarmed, & will be under great apprehension of speedy death. In the cold stage, the system seems to be weighted down by the force of the disease, & rises with the estmost difficulty. Dr. Hewson informed me that he had as ease of this kind at landen. Though he visited the hatient at the expected time of the accession of the parayyous, yet, notwithstanding all his efforts, the system sunk, & the patient died in the parayyous.

The most distressing symptoms - a cold skin, Shrunk & ghastly countinance, frequent & full pulse, violent

forts at respiration, mark the cold stage of a malignant intermittent fiver.

yellow Fever

This is certainly a very intensting disease inassumed as it has often carried terror with through the principles cities of the United States. The time has been, & may again own, when in some of our cities, it might with propriety be dereaminated the postilines that walkth in darkness, a wasteth at moon day."

Seviously to the discription of the disease, it proper that he should inquire whether it is contagious or non-contagrows; of domestic or of foreign origin. - Before we enter upon this inquiry, it may not be arried to remark, that a most obstinate & melancholy dispute arose among the physicians of this city, many years ago, relative to the sub. jet which we are about to discuss. Yellow fiver became a medical Babel; a confusion of language aroso, & many unpleasant circumstances presulted. Two parties were formed, &, as among men engaged in polities, the democrats & federalists. To among physicians, the contagionists & noncontagionists were arrayed against each other. Some of the most distinguished & worthy practitioners of Philadelphia were variety organid in the dispute. Passion was enlished, personal feelings were excited, & I look back with regret be painful. These contests exist no more: they have gone down to the grave; I it is to be hoped that the disposition which accompanied them has departed forcers. When we reflect on the subject, we may exclaim, peace to the memory of men of worth: if they exceed in some things, they were, on the phole, an honour to their profession, & deserve to be semembered with gratitude. But now the present generation may take up the subject with different feelings. We have never written books: or, in other words, we have never written what in on the contagious or non-contagious nature

coolly & philosophically examine into the questions.

of yellow five. The age of most of us forbade our being

That yellow from is, under certain circumstances, a contagious disease: I that it may be introduced from foreign countries, I do fully believe. As for back as 1762, or therebouts, (I do not recollect the year precisely,) a striking instance was afforded, in the city of Philadel. phia, of the contagious nature of yellows five. A gentleman died in the West Indies of this disease, I his clother were sent home to his friends in Philadelphia. They were pland in a store near the Wharf: I, at the lime in Shith they some examined, it happened that a number of persons were present, I among the rest, the grandfather of Dr. Samuel P. Spriffitts. Several of these individuals were driged

point the disease Spread to the contiguous houses, & a great alarm was excited through the town.

But the distruction was not to be compared to what look place many years afterward. It is a remarkable fact, which must be admitted by every one to be tree, that shen over the spllow from has occurred in our city, it could always be traced to one point, I that point has always been somewhere on the show of the Delaward. Soon after its appearance, when several pursons hat fallen victimes to its fury, we could, with considerable precision, have the cases which ouuned, wither to a communication with the sick, or to an exposure in that part of the city which was the first starting point of the disease. At last, when it became general, the tracing of particular cases was entirely done away. Met candow induces me to state, That, so for as my observation extended in 1820, Then The cases were but few, I found no instances of contagion from those who dickened out of the infected district. yet certain cases occurred about Duke sheet & its vicinity, which I did not see, that some referred to exhabitions from Jeg's nun by some practitioners, & by others traced to a koy who died in consequence, it was said, of having been in the infected district. The progress of the fever, neonow, was, for some time, very gradual. Hence, after be heard of the death of one; several days elapsed before mamy others were sweet. It seemed to be confined to partier ular mighbourhoods, spreading from house to house like a devacing fine. In this respect it differed essentially from those diseases which are the result of marsh miasmata. In these, when the complaint has once set in, it spreads with considerable rapidity, & The whole country is, in a short space of time, more or less affected.

Opposed to the doction that the yellow fever is a discase sui generis; & of a contagious prature, it was asserted by many to be nothing more than the common bilious from, of our country, of a high grade. This was the favomite opinion of Dr. Rush. Now, if bilions from fa high grade depended whom the causes which produce this disease, it recould be reasonable to suppose, that in the seasons when gellow from prevailed in the city, those situations which were most expond to march miasmata, would be more affected with the complaint, & in a more malignant form, than other parts: but the fact was precisely the reverse, In the Neck, a strip of land lying between the rivers Delaware & Schuglkill, below the city, where intermittent and remittent from are very common, it is remarkable Shat in some of the years, when the yellow from prevailed in the city, the unhabitants were unusually healthy. This was particularly the case in the year 1799. Fevers depending on march mianuata affect the diptim again & again. Indeed it seems as if there were an increased Ausesptibil. ity in the patient to the disease, when again exposed to the same cause. For example, let us suppose a person who,

year after year, has been subject to the four & ague, to be placed with another man, who has never been affected by The complaint, in a situation exposed to the action of mias mata: In far from being the last, he will probably be the first to experience it. Instead, therefore, of wearing out the susceptibility to a return of the complaint, these from Jun to increase it. Hence, in countries subject to the from & ague, we find persons whose constitutions are, comparatively shattered by prequent attacks of this disease. Nothing is more common than to see patients with the ague-cake or anlarged pluew, & a yellow, sickly countrnance, which indicates a wormout state of health. Now yellow fiver is exactly the reverse of this. I hold it to be a principle, capable of the clearest proof, that persons who have once been attacked with this fever, so for from being left with an incuared susceptibility, lose it almost, if not, entirely. To illustrate this statement, a prominent fact con be adduced: Let us take the medical men as a body, & begin in the year 1793; When the disease occurred in that year, only one or two of the physicians then existing had ever practiced in it; the not had never seen it, nor had they seen bun sproud to its influence. - Der, Rush, Physick, Wistar, Spiffetts, James, Ho, were then, comparatively, young practitioners. What was the consequence? Scarrely a man of them escaped the disease: They were almost all of them taken down, many were very ill, & a number died. Well, let us now mark those same men who

stood the storm of '93. What became of them? Time That time many thousands have been swept away; but has any one of these physicians been of the member? not a man. Few of them have con had the disease. Dr. Physich pays he has had it repeatedly. This I do not deny : but I cannot help saying, that he had a very accommodaling yellow fives. Of those who purvived the storm of 1793, not a single man has died; Shereas, during the yellow from in 1798, & subsequent visitations of this chidemic, a large number of young & unseasoned practitioners, have been affected with the disease, & many have faller victims to its violence. Dr. S. P. Spiffitts is a man whose authority I consider very high. For a long time he was exposed to the yellow fiver, & stood faithfully at his post from the year '93 to the present time. His testimony is, that he has randy, if ever, seen a decided case of a second attack of yellow fives: at any rate, he will go this fas, Shat he has never seen an instance of death from a decand attack. This opinion would have been duided some years ago by a great majority of physicians. But the fact to which I will now refer you, is important to be known. All doldiers in the army are registered, so that They can be traced from one place to another, & can always be discriminated. It so happened that when the yellow from ragid at Gibraltin, one or more of the regiments had been affected in other countries. Among these there was not a single office or private soldier attacked with the

frew, while their companions were dying around them in great numbers. And I may remark, incedentally, That at gibratter, a rock base & riving to an immenso elevation above the ocean, miasmata could not have been the cause of the disease. The report of a committee of physicians who were appointed to examine into the nature of the yellow from, as It occurred at lybralter and other places, is worthy of an attentive perusal. I admit That it may possibly be taken a second time: But I consider thise cases as now as secondary small-pox. But in opposition to what I have said, it may be unged that the gellow fiver was not communicated in the country; & Therefore, cannot be considered as contagious; for those complaints which are universally acknowledged to be contagious, as small pox, measles, &c. on propagated alike in all situations. I admit free by that the complaint under consideration seldom spreads in the country. I have lived in the yellow fever hospital, in The neighbourhood of Philadelphia, for months, & several hundred cases came under my notice. I have sun the nurses hi down in the very beds where the patients had been pland, I go to slick in the words, wroped up in the dother which had lately covered the sick, & even the dead; & yet, I must acknowledge, that no instance of death oured among them, except one or two when The fatients had contracted the disease in the city. But though the yellow fever seldom spreads in the country,

get it sometimes does. Instances may be found, where under peculiar circumstances, The disease was fatally communicated in the country. In the year 1808, a friend named Kirkbright, from Buchs country, carne to Thiladelphia to altend the yearly meeting. He contracted the fever, went home, & died. His daughter who throw out his dikness, acted as a faithful & tender newso to her father, received the disease & died also. Dr. Wisten Sho Staid near Gumantown, recorded some instainces, (& laid them before the college of physicians, where The communication of the fiver was striking. It was brought from Philadelphia in the first place, & after: word spread from house to house; nor did Access before several persons had follow wietims to it. But even admitting that the pllows fever cound spread in the country; it argues no more than this: that the air of the country is not a soil conquiral to its growth. The city ari is more congenial to it; here its seeds sometimes spring up, flourish most bequirently, & produce, as their fruit, the most fatal consequences. If we regard the variety of seeds in the vegetable world, we shall find, that in the same soil, some will flourish, while others will perish. The principle of vitality exists in the seed; but its action depends on its meeting with something capable of eliciting it. Thus it is with yellow fived: in certain deasons, & in our tain Dilustions, its seed will remain inactive & perish;

while in crowded cities , & in the heat of summer, they may must with a soil perfectly adapted to them.

It disappears with frost. This must be admitted; & is one argument shirt would favour its origin from Shore causes which indus bilions fevers. But if this disease were a high grade of bilions from, as the noncontagiousts have contended, how did it happen, that in the year 1793, it was so little understood? Men of The most distinguished talbuts & respectability in their profession, had been accustomed to treat bilious five, in all its varieties, for 20, 30, & even 40 years: yet when the gellow from came, every candid man will asknowledge, that it was a puliar disease which he had never Deen before, & one which he did not understand. When It first appeared, I have been informed, I for I was too young myself to know, that a physician would be called to a patient labouring under a frow; would allend two, three, or four days, & would then find a pleasing remission which induced him to expect, in a fus days, the complete restoration to health. If the question were put to him, - Dr. how is your patient? he would oherfully answer, that he was rapidly recovering. Perpaps the next-day, or the day after, if the question seen put to him, he would declare the melancholy fact, that his patient was no mow! Now had it been a high grade of bilions five, practitioners would have known mon about A. Dr. Rush used to tell us in his lectures, Beware

of the natural pulse, The natural tongue, & the natural skin, in yellow fives." It is a fact that fatal cases have account with all these. This is contrary to bilious fives, in its most malignant character. Discurd examinates & remissions may be observed in this complaint, down to the very period of death.

The black vomit is another distinguishing mark, The geneine black vomit, (Though It has often been attentiated to bilious fiver, oldown, if ever, attends it,) was a very common symptom of yellows fiver. I hall hereafter point out the difference between the genuine black vomit, I the dark bile which is frequently putil up in bilious diseases.

While on this Dubject I may mention the walking cases. These constitute a very striking distinction between the two complaints, being entirely unknown in common the two complaints, being entirely unknown in common the two find. Let a man become ill of this discover - where shall we find him? He will be in bed, un less he may occasionally be excited to action by delinium. But in the early dage, muscular debility is almost an invariable attendant of bilious fever. On the contrary, in yellow fever, the shength will armain at a time when the circulation is almost gond; I here walking cases are well pendestood by physicians accustomed to the dinase. Sometimes the patients walked in the sheet, entirely pulseless; I desped down dead before any one hought of their being seriously affected. Dr. Dorsey

who was well acquainted with yellow fiver, found a potent in Market sheet, in this condition. He saw a crowd Collected round a man; he steped up & placed his fingers on the pulse; he found there was more to be felt; he weognized a case of yellow fines, & directed that the mais Should be sent to the Hospital. Some of the prople around him, called him a fool, & denied that the complaced was yellow from. The patient came under my core in the Hospitat, & died in less than 24 hours. While I was usiding at the Hospital, a patient with a bundle on his back, walked from the Neck, & presented himself for admission: he had no pulse, or it was barely perceptible. With. in 24 hours he died. It was not uncommon for patients to present themselves for admission, when, a person accustound to the complaint, would pronounce, that they must certainly die. I resollect one case, Show the man now about the lot, & stoned the muses who pursued him; he was, notesithstanding, distitute of a pulse. This is different from any thing we must with in bilions five.

Sore Mosal La sed up, harticularly the former, were superfroms which occasionally attended the walking cases. I accollect a man with these symptoms, she was highly offended that we should suppose him ill, I insisted that nothing was the matter with him. We sho were accustomed to the disorder, apprehended the utmost danger, Low apprehensions were soon justified by his death. There cases I have mentioned to show, that the dif-

from is very great between bilious resultent, & yellow. fire. Here a question snight present itself to you; - what advantage can be derived from an investigation of this kind? Our object is to eure the disease; Why should we spend timo in endravouring to ascertain the manner of its propagation, when, after all our efforts, the subject may remain undecido? The answer is plain. Is undical men per are placed in a responsable & awful situation: we are looked up to as the quardians of the publick health ; whon one opinion, in some measure, must be grounded the laws of our country, I when we reflect recollect that populars are most commonly the places visited by the disease, the subject preands itself in an important point of view. If the complaint is contagious, it there becomes necessary to avail onepelves of the means calculated to prevent its perpagation. Even if it is of domestic origin, it is infortant to investigate its causes - How important that circumspection & dicision should mark the conduct of the physician! Instead of first spreading an unnecessary alarm by publicly announcing the first ease he may much with, let him place the responsibility on the board of health, you can have no idea of the affecting seemes which usult from the presence of yellow frow in a large city. There is an unusual alarm among the inhabitants, & the whole town exhibits an appearand entirely different from what we usually observed. I onegoelf have pertressed the day, when the others of Philadelphia have been at noon as Filent as at midnight; when the

hum of business, the sound of footsteps, & the noisy lattling of pleasure carriages, have been entirely suspended, & score-by any sound was heard, except such as prouded from the sick-cast & the hears. Many a lime has one city been clothed in sackcloth & mouning. Hence, it becomes of wast importance, that we should investigate the causes of the dinase, & thus be anabled to use the means which a Beneficient Providence may have placed in our hands to pur

This disease, as is common with all fevers, has a cold Stage, either exhibited in a distinct chill, or in that regons or sense of chilliness which where in Jebrilo diseases. After this, reaction of the System generally occurs, though not in all instances, & a fiver is fully diveloped. it may be divided into three grades; as may be seen in families and hospitals - the mild, the sever, & the disorganized, or where. They begin to die from the onset of the diseaso. At this early stage of the business, we find such symptoms as usually charactings pours; viz. The hot & dry skin, great restlessnew, pain in the head, He. But generally speaking, the up of the practitioner, accustomed to the disease, early recogniges a puntin, &, I believe I may Day, an indiscribable expussion of countenance which he may perfectly understand, but will scarrely be able to explain - a certain ma homant aspect, a livid here of the countinance accompanies these cases, Shith is Aldom met with in other complaints.

The reaction of the system is sometimes so considerable as to call for the lancet. Evacuations at this period of the disease are, in many cases, useful, with the exception of one made which is common in other complaints of a fibrile chaactor: I allude to the availation by amelies. I believe that among the contentions which took place among midual men, not only as to the cause, but also as to the mode of treatment, a very little experience united them in one point, viz. That emities are improped in yellow feon. I shall, in another part of the betures, treat of the particular remedis adapted to this stage of the disease, into a detail of which, I cannot afford time to enter, at present. The yellow five is, I think, less liable to remissions, & takes on more of the continued form than our common remitterts. The patient is prequently in a state of continued fiver for three days. About this time a change often occurs which is very diceptive to a young practitioner, or one unacquainted with the disease. He will visit his patient & find the fever subdued, The skin cool, & the sick person fee from pain & in a very composed state. Even if he feel the pulse, he will, in some instances, find it to possess very much of the nat. wrat character. He will be inclined to think that every thing is going on well, & that a delightful remission has occurred. Perhaps the only uneasiness which the patient experiences, is a slight sense of weight about the domach. But the ex perienced practitioner sees the disease making its rawages on the system, & apprehends that fatal consequences are

at hand. About this period a yellowness of the skin often makes its appearance. A dark orange yellow spreads over the whole body, but is particularly observable in the eyes, face, & about the nich & breast. If we make the smallest prisoure on the opigastrio region, we mais now understand at once, the danger & seat of the mischief. It often happens that a slight presoure with the hand over the stornach, makes the patient almost scream with pain; and it was as much the custom to press on this part, to ascertain the degree of tenderness, as it was to feel the pulse of the patient. Such was our uniform peactice at the Hospital; & a patient, I believe, never entered without being subjected to this test. But I have peen some cases, even with black vomit, without any peculiar tenderness on pres-

Hitherto the patient has been perfectly pensible; without any delivium, a anticipating, perhaps, a speedy restoration to health. But what follows? This decitful calm
soon passes away, & the third stage is ushered in. It is
frequently manifested by that most terrific symptom black
womit. The patient begins to throw up a great quantity of
black matter resembling coffee grounds. The pulse now
sinks; dissolved blood oozes from the gums, the tongue, he
kidneys by wrind, & from blistered surfaces. For a day or
two beford death, there is often a total absence of pulse at the
wrist. What is very remarkable, after their terrible symptorns have been fully diveloped, we observe, in many in-

stances, a perfect clearness of intellect. I have witnessed some affecting poinces after black vomit has been thrown wp, & The patient has been perfectly aware of the consequenas. One case in the Hospital affected my feelings very much. The patient was a young widow, with one child, the daughter of a bufitst clergyman, & had been prously adneated. Soon after her admission, she threw up the black vom it. I happened to be in the ward at the time, I heard her exclaim, when she first saw, what she had thrown up, I am gone. I am gone! - Doctor, pray for mo." She was perfectly awar of the consequences, & from that moment expected, with composure, the fate that avaited her. The wished to make her will, & requested me to write I for her. I sat on the bed side & wrote while the dictated with as much clearness, as if she had been in a state of perfect health. - I recollect another case: A man show whole family was brought with him to the Hospi tal, & whose wife was in another ward, was sized with fatal symptoms. While in the dying state, he conversed with me freely, & seemed perfectly awar of his situation. One question which he asked me I shall always umember : - Doctor, are you married! When I amswered in the negative, he said, If then you should bee taken away, you will have less to trouble you, then one who is about to leave behind him a wife & six helpless children " - Another man only a few Kours before his death requested me to write his will. I

Model so. It was about 12 o' clock at night, I before morning he was dead. To show the clearness of intillect which was often observable in the last stage, I will mention, that this patient informed me the exact sum which he owed at a boarding house in this city, I having some money in his pockets, called for his clothes, counted out the sum, & requested the person who settled his affairs to be informed that he owed to much, & no more. This clearness of mind did not, however, occur in all cases.

Same patients died without wither hemovrhage or black womit. I briefly hinted, when speaking of the walking cases, that these were among The fatat instances of yellow five, occurring without the symptoms just mentioned. Yet we find in these cases, a but of symptoms well understood, & generally arganded as fatal. If a patient presented himself to a physician accustom. ed to yellow five, with a malignant countenance, a frem and eigh, it a throat somewhat sow; if whom examination he was found to pass no wine, the caso was considered as certainly settled as if the palient pure dead in his coffin; although he might have been valking about at the very same time. I witnessed the case of a man, lately arrived from New-York, who was exceedingly offended at being placed in the hospital & regarded as a sich man, then he considered himself ferfeetly well. But as we expected, so it happened - ho

died in a short time. Another case occurred with the same train of symptoms, or at least, an extremely malignant countenance & a deficiency in the secretion of wrine. This pron died in 48 hours. He perspired most profusely; & this, as I have before stated, instead of being palutary in the last stage of fevers, is often indicative of a fatal termination. Some cases of yellow fever were marked with the most profuse sweats, so that the patient appeared as if he had been in a bath; but these cases were not common.

I have seen a patient brought to the Hospital, able to walk about, with his face perfectly perfet, There was that kind of death in the extreme vastels, that allowed the dissolved blood to slagnate in their cavities; & the countinance presented an appearance, than which nothing can be conceived more awful. He did in a very short time.

In fatal cases of yellow fever, (as it was found whom dis section,) the stomach exhibited marks of very considerable inflammation. Some patients were affected with some a from the very commencement. When the disease first approached, they fell into a state of letharque, & slight away life without any suffering, or consciousness of their situation.

I have before mentioned, that, in some cases, we ment with a natural longue & natural pulse, & quoted to you the expression of Dr. Prush, Beware of the natural tongue & natural pulse. In these cases, although the tongue & pulse are natural, get the countenance, that certain index to an experienced physician, discovers to one accustomed to the disease,

that great danger is to be apprehended - they gen . enally prove fatal.

Many patients, as I before observed, retain their intillects unclouded till the last moment: but this is not the case with all; I have observed the most distressing delinens through the whole period of the complaint, particularly in the last stage. I remember the case of a Danish Dailor - a Shong, athletic, & muscular man sho, in the dying condition afforded the most distressing Spectacle of furious delineum: he rolled & tossed himself about, raved incersantly, used the most violent museu las exertions, & seemed to resist death with the sowerest Strugglis. For his own pake, & for the bake of the sick by Show he was surrounded, it was newsoay, howwood inspleasant the expedient, to resort to the grait jacket. I thus confined, he was carried into one of the out houses while on the very point of dying.

from as they presented themselves in this city, I will otate a oase which I witnessed while a student of Dr. Mistar. The patient was a young man in Greenleaf's Alley. Dr. Wistar attended him through his disease; I on the night of his death, I went to see him with the Dr. His head had been phaved & cound with a blister; he was in bed, I disolved blood was orging from his gums & nostrils. Directly opposite to the bead, the wall was smeared with blood & discoloured palica which he shit against it. He

was steadily delinious, I his delinium was anompanied with vious sardonicus, that grimming, horrible laugh which constitutes the most distrissing expression of which there was a black muse in the room, his only attendant, who, to avoid the danger of infection, had muffled up her mouth with a dirty towel. I recollect that the impression made on one by the spectacle was a strong one. The patient died before morning.

I have spoken of the walking cases as constituting a marked line of distinction between bilions & yellow fives. These cases, when the patients were without pulse, were al most invariably fatal: get one instance of recovery fell under my notice at the Hospital, &, as it is interesting, I will relate it. The patient was a female. At the time of her admission several other fratients were brought in. One in par timber poor extremely ill; I both the nuises & myself wird engaged in giving our attention to this one, when the woman alluded to come up into the room. I turned round, put my hand on her wrist, & found her without pulse : but as she appeared strong, & did not seem to require immediate attention, I requested her to sit-down till I should have finished what was requisite for the other. After a litthe while, looking round, I found the patient gons. She had been alarmed by the spectacle of the sich & dying, & had made her escape as rapidly as the was able. I dispatched some muses after his, who brought her back. She

was perfectly pulsiless. We placed her on a bed, & resorted to the people heatment. But the resisted every thing that Leas done for her. - The was an Irish Roman Catholic. The fought & swow, & the nurses could do nothing with has. Under these circumstances pre resorted to a catholic paint who daily attended the Hospital, & Mating the case to him, asound him that every thing depended whom the diligent use of otimulants, particularly wine. He told us in a tone of great confidences that he would make her take it. At our disire he spoke to the patient, & I remembee his poords - "Hest! worman, the Dr. tells me you wont drink the vine - wont you dink it? I's no in to drink now - wont you drink it?" " " igs", she replied; I then was no difficulty afterward. This was the only instance of recovery where the pulse was absent.

of pulse in this disease. In the early stage, as I have bufore remarked, it is sometimes proper to employ the lancet. But I wish to guard you against a particular form of pulse, Shich is occasionally met with in yellow fives. It was denominated by Dr Rush, the gaseous bulse. I cuollect one of the first cases which fell under my notice, as it made a strong impression on my mind. The patient was a young man, & was not very far in the disease. His pulse bounded, apparently, with great violence, & gave me the idea that the artery was twice the natural diameter. The first im-

pression from feeling the pulse was, that there existod violent, inflammatory action. But with the slight est pressure, it passed away under the fingers like a bubble of air. This pulse is, in general, a very bad one. In one instance I took away a few owners of blood but the fatient was soon disposed to faint, & finally died with black vomit. The blood that is drawn from the arm in this complaint is occasionally dispolved. It is like tar, & its power of coagulation is lost.

I have been struck with the remarkable alternation between the brain of the Stomach, which sometimes occurs in yellow frow. I have seen patients with black vomit, & that of some continuance, and denly relieved from this symptom by the supervintion of coma, & these circumstances often alternate with each other. Sometimes there is come of a quiescent stomach; at others, the head is sound & the stomach irritable; & sometimes, Strange to tell, even after the apprarance of black vomit, the patient manifests a disposition for food. One of our patients of this discription, pot on the side of his bed, devouring the leg of a chicken.

Black womit is unattended, in many patients, with pansea - They have acid orectations. Violent convulsions sometimes attend the last stage of yellow from.

Much has been said of black womit, & much descrees to be said; because it is one of the most stro-

king symptoms, after the apprarance of which, the patient rarely, if ever, recovers. I have heard of resone any from black vomit, lent have never ocen one; with the exception, perhaps, of the case of the little child There the flowelest appearance of black womit was once seen with the fluids ejected from the stomach. But I hardly consider this as an instance of black vomit. I once saw a case which appeared likely to account, & I was almost induced to believe that my privious views were not correct. The patient was put into a hot bath. The water was not merely worm, so as to celax him, lent hot for the purpose of otime. lating. It had a very good effect, & for the first day or two, the symptoms were flattering. The pulse Shick before was hardly perceptible, now became full & comparatively strong: but there was great turnefaction about the throat, somewhat like carbundes in the plague; & it ocemed that the mechanical presoure had some -Thing to do with the death of the patient. I had some idea of opening the wind pipe: lest considering all the circumstances, & among others, the number of persons among whom it must have been resorted to, I am Show it might have produced some bad effect, I declined performing the operation.

Then have been many opeculations as to the nature of black vomit. My opinion is, that it is nothing more nor less than dissolved blood, cast out from

The artires of the stomach. [For further information respecting my views of this subject, I refer you to a piew published in Coxe's Medical Museum, in 1806 or 7.] At the same time that I make this observation, I reserve the liberty to state, that there are appraraness in the stomach resembling those in malignant fewer, without any previous inflammation. Here it follows, that deductions from the state of the stomach after death, are sometimes very uncertain.

It now remains for me to enter upon the peactice which was pursued in the treatment of yellow feren. - But before I angage in this part of the lutune, I consider it proper to detain you a little while in making a fus observations on a very important subject. I that is relative to a law which governs from in general: Shether the various diseases of this kind which affect the human framo, are to be outdued by active & powerful treatment, or shellow they will aren a determined course. I believe that this is worthy of deep consideration; because, according to the opinion you form, your future practice will be regulated. It is a maxim which you will often hear, that violent diseases require violent remedis. Is it applies to some maladis which affect The human body, I subscribe to its correctnes; but so for so it relates to yellow from, I am thorough-

by inclined to believe, that violent practice is of serious injury. Beliving, as I do, that yellow food, in common with other diseases of the same class, possesses a Specific character, o was a determend course, my objust is, not at once to strangle it by powerful practice, but to andeavour by judicious measures, to conduct it to a favourable oriois. Let us now view the practice of a man who believes that the complaint is to be Inbound by active treatment: Supposing the disease to be violent, his remedies will be of the most active kind; believing that great disorganization feel result, if the force of the fiver be not lessend by power ful depletion, he will unsheath the lancet with the utmost-boldness, & draw away blood in enormous quantities. He will also deplete from the bowels, and use other active measures to subdue the fire. But zuollect that he has to contind with a disease strongly disposed to sun into a low form, & that if he endesvous to subdue or cut it short, instead of activing the complaint, he will conduct it more rapidly into this comdition. I therefore consider such views & ouch practice hagyardons to the patient, not only in yellow from but also in all others from which have fallen under my observation. The doction of subduing from by violent peaction is, in my approhension, a dangerous doctrine. In pursuance of these views, it has happened, that even the common smittents of our country, have been outjusted to the most parenful treatment. The consequence has been, that many cases which, if left to native alone, would have terminated favourably, have become unmanagrable. I entered the city Hospital under the full impression of the corretness of sufficient excitement. Thelived that yellow from was a disease of suffocated excitement in which the oystem was rendered prostrate by violent action; I that, to bring the patient out of this condition, powerful dipletion was necessary: I was even afraid of depleting too spannagly; for I had been laught, in those days of theory, that if I were to open a vein & take away only a small quantity of blood, it would be worse than nothing-I should merely open the cage of the tiger, & give him liberty to spread havor around him. I was, therefore, cantions against small diplotion, believing it would let the septem loose, & be productive of still greater disorgan. ization. A little experience soon laught me that these views pear incorrect, & instead of the generally privailing doctrine, that discase was a unit; that all complaints were one & the same thing, differing only as they happenied to be in different parts of the Dystem. I was at length forced to believe that many of them possessed a specific charaction, I were to be treated by remedies adapted to their partien. lar condition. I am aware that there are exceptions; but I fully believe in the doctrine of specific action. Thus a praw litioner according to the views which were formerly in voque, would day that every case of inflammation must be duband by the lanch. But every experienced physician will acknowledge, that there are cases where the lanch does no good, & is seven injurious. I will call your attention to anthray. The inflammation, in these cases, is discovered by our organs of vision: it is proclaimed by the tensations & sufferings of the patient. Yet, if we undertake to relieve it by the free use of the lancet, we thall incur quat danger: whereas, by an opposite course of breakment, the inflammation may frequently be made to give way. I have thus laid before you some general views, preparatory to my entering on the treatment of yellows from.

Tractitioners have differed essentially in the treatment of this disease. Some of them, according to the impression, that violent complaints require violent remedies, tested their opinions by their practice. In the first place, as I before hinted, all seemed to agree that outis should be laid aside. In the common fevers of our country, these were often resorted to before the year "93. But for some years afterwards, so great was the aversion to this remedy, that it was searcely ever employed in The ordinary lilious diseases. But the lancet was strongby accommended, & was resorted to most powerfully. So far as I can ascertain. The disease appear to have assumed different characters in different years. It is certain that in some seasons it bore the lass of blood better than in others. In the years '93 & '98, the practice of bloodletting

obtained to a considerable extent. But in some of the subsequent years, Dr. Rush found it necessary to be more cautious in the use of the lancet. He declared his belief That the disease had changed its type. He said that in the early stage, he found some mosture on the skin, I heme, nature dearly indicated the propriety of peoducing perspiration: consequently, he blid liss and sweat mow. This was his practice in one or two of the last years. At the city Hospital, when the patient come in, in the early stage of the complaint, we commenced, in some cases, with the use of the lancet: but experience soon convinced us that the disease would not well bear bleding; hence, in a large proportion of cases, it was seldow, in many not at all, resorted to. Upon the principle that violent diseases require violent tremedis, mercuny, that Sampson of medicino, was brought into action against the distroyer. This remedy had many advocates, & was used with a liberal hand. So far as my experience went, I had no reason to be partial to the medicine, when used so as to affect the whole pysteris. While I was a student of Dr. Wiston, I had an opportunety of seeing his peaclies in this disease. He was an advoiate for merenny, & used it very liberally. He employed it in almost every stage; but I must say, that his our cess in the treatment of yellow fever ky mercury, was far less that in other diseases which he was accustomed to man ago. I had, thereford, no reason to be encouraged with

The remidy. Dr. J. P. Spiffitts used mercury on a plan more accordant to my views. Instead of applying it indiscriminately to every stage, he confined it to the first. It was his fracties to commence at once with the use of calomel, of Shich he gave one grain weig two or three hours, steadily, through the night & day. If it purged a little he had no objection. He went on in this way through the inflammatory stage. He has repeatedly said that he would not disno to give a particle of mucuny after the third day. By this time he charged the diptim: I if inflammatory symptoms ran high, he resorted to the land. After this he purged with a duraction of senna; I his practice, I think, was more Jucessful than Dr. Wistor's. The moderate use of the lancet was occasionally admissible, &, in a few instances, when the head was affected, & the pulse tense & comtracted, it provid of some service. Cupping was also em. ployed with advantage in local affections. But the pearties at the Hospital pas principally of this kind: When the patient was admitted in the early stage, we were disposed to evacuate the bowds very liberally, & also to induce free perspiration: We sometimes used mucurial furgis; lent some generally content with milder articles, as jalap, cream of tartar, castor ail, phosphate of soda, 2 others of a like nature. The warm bath pear a common & useful remedy. After this per som in the habit of giving drinks to promote perspiration. The ducation empatorium perfo-

hatum, or, as it was commonly called, bone-out tea, with warm lemonade, seem commonly employed; & the patient was advined to dink of them feely. Among the remedies useful in this stage to produce sweat, & to compose the stomach, we thought highly of the saline draught green in the state of efferoescenes. If lemons or limes could not be procured, we were content with vinegar. This draught was highly calculated to compose the stornach, allay initation, & produce perspiration. The antimorial preparations, so commonly used in our remettent fivers, were inadmissible in yellows fived. Sometimes how. ever, it would happen that the patient could not sweet: The Ohin would be hot & dry, & all our attempts to peoden perspiration would be abortine. Endeavouring to excite it by warm drinks, & by heaping on the bud-clothes, was production of more harm than good - What, therefore, must be done? We resorted to that most excellent practice, recommended by Dr. Currie of Leverpool, - using cold ablutions & cold drinks. I have often noticed patients asking for cold water, cold water; & I have always answered, take & drink. The aversion to cold water & air, formerly existing, was not only invalional, lent productive of much suffering to the pa tient. What is more natural than the practice of giving cold water in fevers? The patient parched by the heat, longs for it as if he were in the disarts of Arabia. Cold abbition is also an excellent remedy in yellow five : It lessens the disturring hear of the skin, & diminishes the five, with-

out reducing the general strength. We were much in the habit of using it, & respect considerable benefit. Through every stage of the disease, we attended to the state of the bowels; even after black vomit had begun to appear. Sometimes evacuations were pround by gentle cathonties, sometimes by injections, & frequently with advantage. In fact, in the year 1805, purges were much amployed, & with considerable success. At the same time, we kept in view the strength of the patient, and Therefore never employed the deastie punges. Blisters were much resorted to, & I Thought with great advantage. The plan which we considered as peculiarly peoper for a blister, was immediately over the stomach. Me know the tendency of the disease to this organ, & it was Then that we were to expect the principal mischief. It became the universal pearties in the Hospital, not to want till we should discoun serious symptoms of disorder in the stomach; but to anticipate the disease by the appli cation of a large blister over the part. This practice was, I believe, beneficial. We were not then so well acquainted, as we since have become, with the advantage of stime. lating applications, (especially Dr. Hartshorn's decoction,) to The Impace of the body. In cases which came within the reach of treatment, after the patient had got into a low state, There was great necessity for supporting the orgsten Through the remainder of the disease, Boy a night of this caution, many patients were lost, if I may use the expresdisease was past, the patient was occasionally left in a state of extreme delicity, & life was supported only by the most assiduous care. Hence this was one of the most insportant periods in the complaint. I often observed that patients who were admitted into the Hospital in the last stage & had previously received no medical attention, did as well, & some of them better, than those for whom a great deal had been down. The time when they required most attention was when they had passed into the low condition.

Situated as I was, with the privailing theories inpursed on my mind, I had a dread of stimulating treatment. My ideas were constantly running on excitiment of the brain, & I was in continual fran of effecsion or disorganization. But, happily, there attended in The Hospital with me, an old gentleman, Dr. Lamuel Duffield, who, though no through, had much experience. He & Dr. Church pour the attending physicians, I recolbut the case of a man, in which the stimulating plan was first tried, & in which it proved successful. The situation of the patient had become very ornaus, & much approhension was entertained as to the issur. Dr. Duffield perposed that we should enter at once on the use of wine. I made the observation, - may-be Show is too much action for this remedy? The old gentleman answered, May-be the Oky will tumble down - give him wine? We did to, & he recovered. We were afterward much in the habit of using wine & cordial medicines. Back mean held a distinguished place in the treatment of yellow fives.

I often belt extremely anxious for the patients labouring under great debility in the words of the Hospital. The nurses could Scarcely yield the proper attention; hence I had to watch bey night & by day; & if more success was experienced in that year, It may principally be altributed to the great care that was taken in musing. Late at night I would frequently walk through the words with the muses, I point out to them such palients as I thought demanded the most assiduous attention. These I directed them to watch confully; and warned them, that, unless our directions were punctually attended to, the patients would probably be found dead in the morning. If I found the newses nighested their duty, They were watched dosely; & if they still persisted in their conlissness, They were dismissed. Often I have gone my round & returned as if to bed; but in a short time returned silently & unawares to the ward, Sometimes I have found the news ablech. At length, however, by constant attention, we established a system of good musing, to which many ours must be attributed.

But the great difficulty, in many cases, was, that the stomach was excessively initable - rejecting every thing shich was offered. By this circumstance, we were often foiled in our treatment. At the very time that it was necessa.

ey to support the system, the agent by which This was to be accomplished refund its office, & he patient ounk into a very low state of debility. Armong the remedies employed to allay this irritability of the stomach was lime water & milk. A table spoonful of each of these often remained when other things were rejected. Various other plans som resorted to. The hot bath was employed in some cases; I in one was attended with the effect of allaying irritation & improving the pulse. On the recommendation of Dr. Physick, we also employed the spirits of temperative. The proposed it from the idea that the action in the stomach was of a peuliar noture, &, if we could substitute a new inflammation by means of the turpentine, we should be likeby to relieve the pre-critting disease. One, I even two less shoonsbut were given at a time; but we did not meet with much encouragement to persever. But though taken into the stomach, this remedy proved of little use; yet in the form of injection, given till it produced strangury, I thought it beneficial. We administered it in larger doses than those in Shirt it is now perscribed; & perhaps it might have proved useful, if it had been peoperly regulated.

Typhus Fever.

I propose to deliver some observations on malignant typhus frew. Typhus fever, in the general acceptation of the larm, is very indefinite: because the term typhus may be applied to almost all low forms of disease. Thus, a fewer in its commencement may be highly inflammatory; but in its progress the policient may become weak & exhausted; & before he dies the fewer snay receive the name - typhus. But I wish it to be undustood that this condition of the system, which may be induced by a variety of causes, is not that of which I am about to treat. I am about to speak of a disease of a specific nature, to which the name of typhus fever has been applied, & in which, however contrary the opinion may be to the systems of the day, there is, ab initio, a reduction of the vital powers of the system.

This complaint which has produced a vast deal of mischief in our country, first appeared under the name of spotted fiver, in the Morth & Cast. We heard of it in New England long several years before it appeared in our bonders. - The pushed course of believes I wish to be practical; I shall not, therefore, speak of what I have heard or read, but of what I myself have witnessed.

I will now simply narrate my first acquaintance with the disease, as it occurred in the neighbourhood of Philadelphia. In the winter of 1812-13, the practitioners of

of this city halt their attention called to a violent complaint which was raging in Camden, a village on the opposite side of the river. We heard of owneal deaths. Anon opportunity soon presented to me of inquiring into the appearance & nature of the disease. I was called into Bamden to visit Somwel Poole. Here I mit with Dr. Hundry, a very respectable praclitioner, who had seen many patients. He said that it was a very inflammatory disease; that some persons one affected with phrenitis, some with preumonia; I in fine, that it put in the from of all the different phlegmasia. He also said that the blood was very sizy. Poole was the first paleant I saw with the dinase; & the case occurred in the first month of the year 1813. The patient had been ill several days before I saw him. As soon as I entered the room I was struck with the malignant aspect presented by the putient. Austomed, as I had been, in yellow fewer & other malignant complaints, to observe the purchiar expussion of the countinance, I could not fail to have my altention arristed by the view presented to me. Before I saw him he had been trice bled. In consequence of devore creatio pains in his limbs, it was supposed that he was affected with something like inflammatory wheumatim. He died on the Wh day of his illness.

In Mr. 21st of the same month, I was out for to see Sarah Poole, widow of Samuel, nine days after her husb-and's death. This case I had an opportunity of seeing, from the very commencement. I was informed by the

messinger, than the patient was affected with quincy, a disease to which the had been very ordiged. When I entered the room of found that the had been attached with a chill. The complained of some sources of the throat, I supposed that the painty. When examination I found an enjoylelolous inflammation of the faces, but nothing thick bore any resemblance to the true comanche tonsillaris. I placed my fingers whom the wrist, I instead of the action pulse of quincy, I found a very feeled initated one, which spilled directly to the slightest preserve. Her eye was of a dingy east; & I thought I accoming at once, from what I had been in the case of husband, a disease of a low grade & malignant character.

The treatment hisherto pursued, had in I cases, terminated in death. The same plan had been followed by
The most aespeciable practitioners, Shewer the disease first
appeared, & it is very probable that I should enjoyly
have adopted it, had I not already taken the alarm.
The treatment had been adapted to an inflammatory
condition of the system, & sumed to be justified by the
sizy appearance of the blood. The doctrine of suffocated
excitement had, in many neighbourhoods, considerable
influence in determining this practice. With the view of
the case shich I had taken, I determined to pursue an opposite course from that which had hitherto been adopted.
My peaclice was founded on the belief, that the disease was

of a low grade, & should be treated, not with depleting, but with supporting measures. The patient recovered.

Soon after this, in the same village, a fresh crop of cases sprung up. The new plan of treatment which had been adopted, was followed by a very satisfactory change in the usults; I the inhabitants, instead of being impussed, as hitherto, with the conviction that every one allacked with the complaint must die, were rejoiced to find a number recovered under a different mode of practice.

Soon after the disease occurred in bounder, it appeared also in Philadelphia; & what is very remarkable, I first observed it at the water's edge. One of the first cases which I saw in this city, was in water street, between Market & arch. The patient was attacked on the 15th of the mouth, I in the morning of the 16th, I was called to see him; a. bout 12 hours after he was first taken. The disease passed up from water street, & many cases occurred in the neighbourhood of, I along, Anch Street. Almost the only in-Stance, if not the only one, of this complaint which De. Rush over met jeith, he saw with me, at a less distance Than a great from my present dwelling house. It was but a short timo before his death; & I think it probable that he contracted from this putient, the disease of which he died. The case was a malignant one. When the Dr. entered the room, he approved surprised; I after we went out to consult he made use of these very words; Doctor, what can This mean? What is it? It looks as if we should have

petrohiæ". He prescribed for a low form of disease; & soon after was attacked with the complaint himself, which terminated his valuable life.

Not only did this fewer own in the immediate mighbourhood of the city; lent it also appeared in the most healthy situations, particularly in one to the northward of Philadelphia. At some distance above Frankford, the family of . Tholcross was attached, & I was called to see Them, month 2nd, 1813. When I saw them, Three pertous had died & two lay very ill. In this place I had one of the most unpleasant differences which ever occurred to me, with a practitioner who was also altending the family. He declared that the disease was of a violent inflammatory char. action, & that the lanch should be employed. I conscientionoly resisted his opinion, & he retired from the perponsibility of attendance. There were two more physicians engaged, one of show had never attended before in the disease, & The other had seen very little of it. They yielded to my judgement, & thus I had to sustain the whole wieght of responsibility. The eyes of all the country were whom me, & you cannot concine the anxiety I experienced. Happily, however, both the patients, a father & his only son, recovered. From this time until worm weather fairly set in, many cases of malignant typhus fever occurred, & a number of our most respectable & distinguished citizens fell victims to its violence.

It sumed to be the character of this complaint, in

many instances, to praduce a very great prostration of the powers of the system. When the patient was taken with the Chill, or continued in the cold stage, he sunk into a date of extreme debility, & in some instances reaction occurred very dowly; in others, not at all. Tersons who had privious. by debilitated by disease or intemperance, were particularly liable to the fatal effects of the malady; I in some of these the system was so completely prostrated that it could never be made to rise. When called to see a patient in this condition, we found the extremities cold; the countenance, shrash, The pulse fueble, & in some instances, absent; a generally the most distressing retiting to vomit, together with insatiable thirst. In some of the low cases of typhus fiver, we occasionally found a deque of thist which nothing could allay: I what is very remarkable, & worthy of recollection, as soon as we could bring about heat in the okin & action of The pulor, we observed a decline of the thirst; & this decline was in direct proportion to the elevation of the system.

I will here pour to remark, that excession thirst comes in two opposite conditions of the system. In fevers of high excitement, we may often find a strong desire for drink, but a thirst of a more distressing kind, & altogether insationable, arises from a condition of the system, in which the blood is not probelled into the extreme vessels. Then, divide their remaind supply, and the sense of thirst which I have mentioned.

Delinion often occurred in the early stage, & it was

much less to be dreaded then, than then it did not appear till late in the complaint. I recollect the instance of a young man, a son of Samuel Archer, who was attacked with headach in the city, & rade out with his father to Their country teat. When he arrived, & had stept out of the carriage, he was singed with the most violent delirium, amounting almost to phrengy. The family was greatly alarmed, & despatched the coachman immediately to the city. Hapily, I was at home, & was enablid to obey he missage without delay. I found the patient with a feelde pulse & violent delineum. By immeror on of the feet in worm water, the application of sinapims & proper internal treatment, the Jular was elevated & The deliving subsided. He finally account. This is one state of delirium which occurred in typhus frow, I have seen two instances phere the potents were absolutely affected with man ia. Of these one died; the other recovered. The mania was disturing; because they not only showed ill-will toward the prople around them, but also a disposition to snap of & lite their attendants!

Other patients pour affected with enatic pains in their trunk & limbs. These cases sumed to counterfeit inflammation, lent there was a marked difference observable. We are not aft to find a limb in inflammation affected but for a short time. There is always a degree of permanancy attending this affection; There as, the pains alluded to were transient, & parnd from one part of the body to

another like shocks of electricity. Another form of The disease, & one common in some neighbourhoods more than in others, was that of preumonia. Precemonia tiphoides was a name which obtained very often, I some practitioners thought that the disease seldown if wer occurred in any other form. So far as I can judge from my notes, of those palients whom I saw in the year 1813, not more than one third were affected with pulmonic symptoms. In those cases where these symptoms provailed, there was generally pain in the chest; sometimes on one side & sometimes on the other. In addition to the pain dephnoea frequently occurred; & What might almost as characteristic of the disease, dark, bloody expectoration was observable. Sometimes the matter discharged was not pure blood, but a pulliar dicretion of a dark orange colour. On other occasions it was nothing but very dark blood. I remarked that whenever the expectoration pas fue, the danger was less; when the dyspnace was constant & expectoration slight, the danger was very great. The preumonic was certainly, in many instances, a very terrific form of the disease, as the lungs Shich are a very vital part, were liable to be disorganized. But, as I shall indiavour to show, disorganization of the lungs did not arise from excessive action, but depended on a want of vital power; & hence these organs were inundated & engarged, & the patient experienced the utmost distress.

Dianhea was an occasional attendant. This oymptom I regarded as dangerous; & I have seen it reduce the System so low that nothing could raise it. One of the first patients which Dr. Physick saw with this complaint was in consultation with me. He was a man of Wicoff's in Market Sheet. He was extremely low , & the plan of treatment was vigorous. When the Dr. was called in consultation, my feelings were peculiarly distressing. Having had an opportunity of forming my opinion alative to The disease; having been Dimilar instances in bamden, & Shinking myself somewhat acquainted with its character, I had formed my judgement, I could not conscientionsly yuld it up. At the same time, I was afraid Shat Dr. Physick would adopt the idea, that the strength was to be rained not by stimulating, lent by dipleting, meas wees. With my mind thus determined, & with such fears, you may judge how extremely unpleasant were my feelings, as we sat by the bed-side of the palient. But, happily, his judgement coincided with mine. He examined the case most carefully, & when we left the room, he told me That his first impression on swing the patient, was, that it would be mussay to use deptition; but he soon found that this would not do, I cordially united with me in The plan of treatment, I had adopted, The palient recovered. The occurrence of diarrhoxa in certain forms of disease, particularly when pulmontary symptoms exested, was not altogether new to me. A long cours of peactice in

The Philadelphia Dispensary, among prosons in the lowest situations in life, had taught me to know that spontaneous diarrhoxa, in the early stage of pulmonary affections, is a dangerous symptom. Cellen has hinted at it. I know it to be the case.

Cholica was another form in Shich the complaint appeared in the year 1813. It is not common in the early part of spring to meet with cholica arising from the usual causes; & we had a right to conclude, when we saw swend families with three, form, or even more, of its members, all down with vomiting, punging, and a feeble pulse, that this was only the prevailing disease in another form.

I have not yet opoken particularly of the eyes and countinance. There is a pulliar expression in the countinance in a patient offerted with malignant five, which can be better understood than described. In some cases of this disease, as in yellow five, I have been the countinance nearly livid, as if oxygenation (decarbonization) of the blood seem imperfectly performed.

The extreme torpor of the Shote Septem in some of these cases is remarkable. A want of tensation in the one face of the body is, in some instances, strongly manifested. I have also witnessed a total loss of taste, so that the patient could not distinguish wine from water. I have seen this torpor so great in

The newer of the skin, that belistered surfaces were insinsible to the most stimulating applications. The case of a palient at Woodbury was shikingly illustrative of this fact. She was the wife of Dr. Ayres. I was called in during her illness, I received the following amount from her husband, She had been attacked sweely & dangerously. The husband divoted himself to his wife for several days; lest thinking her letter, he recontined to leave her for a little while, I wisit his other patients. While he was your, the nurse I the patient thought proper to procure an evacuation from the bowels by an enema, Shirt was accordingly administered. The exertion which was used, & peobabely the evacuation which resulted, caused the patient to fall into a severe sinking spell, When the husband aturned, he was not a little ourprised & alarm ad at finding his wife in the utmost danger, she was in a state of almost intiv insensibility; I every attempt to aguse her by the usual stimulating measuses, entirety failed. The Dr. Then took a five brand, & applied it to her by. This excited Insation & called forth expression. But you will be surprised to find that instead of complaining of pain, The cather appressed pleasure at the ornsation occasioned by the application. She requested it to be repeated, I this was done Iwnal times. Having round her, in some measure, by this means, he succeeded in getting her system who

by the common remedies. He had applied an infuarion of Cayerna propper over the blistered surfaces, without producing any sensible effect. Half on how afterward, I subsequent to the use of the frie-brand, the complained of pain & burning. Her recovery was complete.

The pulse in this disease is hable to considerable variation; but its general character is certainly that of week action. Sometimes, as in yellow fever, the pulse was extremely deceptive. The first impression you would acceive was of high arterial action; but on a strift foresome no usistance was afforded. The gassons, or at least an approach to the gassous, pulse was very common; but this was not always the case. There were certainly some cases where tension of the pulse was observable; & in another letters, I forepose purpose to consider this order to more particularly. I will have remark that one of the most dangerous pulses in tephous fever, was that in which some lension existed, & which was called by Dr. Rush, the approchala.

The tongen was often moist & maily natural, as, in yellow frow; hough generally it was brown & dry, with sorder about he month. I was in several in- stances much decived with the cleaning of the tongue. You may resollect an observation I made in a four-vious between, - That when the tongue cleans suddenly & smooth, the case may in general be considered as safe, lent very protected. But in tephus fever

I have known the tongue to be moist & disposed to clean; Shile, in several instances, the disease has been near a fatal lermination.

Spontanious & clammy meets, in the early, or in any, stage, were unfavourable, as also were involuntary discharges from the bowels. Themourhage from the lungs, non, stomach, & kidneys, was another symptom. Dissolved blood was also effused into the cellular texture, & constituted what are called peticheal shots.

The sinking spells, as they are called, of malignant typhus fever, are familiar with every practitioner acquainted with the disease, & are particularly to be quarded against. The patients will his in bed, apparently with considerable strength; I an indiscreet effort to rise, especially if an evacuation from the bowels accompany it, will dometimes bring on asmost alarming synespe. The circulation becomes extremely tanguid, & the attendants are freightened by the situation of the patient. Considerable muscular exection should, in this complaint, be particularly quarded against; as there is always a strong tendency to these sinking spells, I once knew an in-Stance of a patient who died in attempting to walk from The bed to the door. He was a poor man; his wife was sich, & there was no one pusel to assist him. In his effort to walk, he fell down dead in the room. These sinking spells are dangerous in proportion to their der estion. Sometimes a little exertion brings on one of

Them, Shish is Speedily relieved by the proper remadies. But if they continue long, the danger is always in proportion. Sometimes they assume the intermittent form; & I know two cases where the sinking spells regularly recurred, & at length terminated in death:

I will now make some observations on the practice. Before entering, however, on this subject, I will remark in general terms, that every spidemic, Shen it first appears, present itself with peculiar varieties of form; & a certain time is required before we can become acquainted with its true character. Such was the case with this disease; I the amark applies more or less to every practitioner who has heated it. Hence, when the tephus fever first appeared; when I witnessed the fatal effects Shich resulted from the deptiting plan, & period the tendincy in the diplim to sink, when I compared with This The Duccess which resulted from endeavouring to support the system, I had a great dread of evacuation in any chaps; but subsequent experience has laught me, that in some forms of this disease, cutain kinds of evacua. tion are not only safe, but advantagious. I might here with propriety warn you against the doctrine of suffocated excitement; but I shall take up the subject in another part, I at present pass on to the practice.

Jwill now take a case of typhus fiver in its common form, & suppose it to own in an individual of ordinary health & strength. I will suppose that after the organs or

cold stage is own. That the deplin possesses sufficient energy to react, I that the fibrile stage is completely evolved. Under such circumstances, what is to be done? With my present experience, I should say at one, that the first passages must be cleared; I for this purpose an emetic may be administered with very happy effect. I am a strong advocate for the use of emetics in malignant typhus five, under the circumstances just mentioned. Catharties & sudorif is are also particularly adapted to the case I have described. Hence, it was my common practice to administer & or 10gr of calonel with from 20 to 30 gr of ipecar; or else to puscide a drachm of iperar, to be divided into two doses, one to be given immediately; & if this should not operate in 20 or 30 minutes, The other to be taken. Diluting drinks were also to be used copiously, to assist the operation of the conetie. After this I directed some cathactic as Lee's bills, or calo. mel & jalap, to open the bounds & thoroughly cleanse the first passages. Another formula I often resorted to was a combination of the golden sulpher of antimony with calomel & jalap. The proportions were gox of calonel, gox of julah, & gr VIII of the golden Dulphur of antimony; the shole to be divided into 3 parts, one of which was given every one or too hours. This perparation acts gently on the stomach, with conordinable certainty on the bowels, & also produces some tendency to the skin. In addition to this, after the bowels have been thoroughly evacuated, the oudorific plan of treat ment is will adopted to the case. With this view I direct The feet & legs to be emeroed in warm wale; The patient to be placed in a warm beed, & warm teas administered, particularly the supalorium perfoliatum, or some other indigenous plant. I also derived great benefit from the saline draught as a endorific. If limes or lemons are not to be procured, you may outstitute the spiritus Mindereri. This may be given in the dose of a table spoonful, if the stomach will bear it, once an hour. I may be diluted with mint water, or some other agreeable addition. Given their in the early stage, it acts as a gentle & certain sudo rific. This kind of evacuation I consider particularly adapted to the early stage, when the disease is not in its most seven & dangerous form.

Recollect that I consider fiver as a disease, which when once completely formed, will run a determined course. If the head is much affected, considerable benefit may be derived from local depletion, particularly from the application of cups to the temples. By the abstraction of blood in this way, the patient is much relieved, & less debitily follows than from bluding at the arm, Cases may arise, when a small quantity of blood may, perhaps, be abstracted from the arm with advantage. But when I consider the nature of the disease, I dare not take away much blood; for I do not believe the mischif is occationed by excessive action. That much rather see great action, then a want of action.

Arriving the local applications particularly propor for

this form of the disease, blisters hold a distinguished rank. When the head is affected, blisters to the back of the neck are very advantagrous; & applied to the extremities after mitable evacuation, particularly if the patient is restless, they are productive of considerable benefit. Among the sweating remedies, the Down's powder descries parlicular attention. When the putient is restless & distressed, of ber the requisite evacuation, It go of opium with In 2 of ipical, taken at bed-time, will prequently tranquilize the irritability, & dispose to perspiration, especially when combined with the use of warm teas. I can speak with some certainty of the advantage of this medicine, Under this state of things if the case is smild & likely to be conducted to a favourable isono, nothing owns to call forth great anxiety. But if sweating cannot be induced after a reasonable offort, do not push on with heating practice; but resort to abbitions, He. as recommended by Dr. Carrie.

to resort to a mild, cordial plan of treatment. In six or swent days, the fever will, most probably, subside, at the patient readily recover. It is very important peop. only to argulate the cordial treatment of this disease: for, hough it may be typhus five, if the symptoms do not call for shimulant practice, it should be carefully avoided. You should remember that the system has received a blow; that it afterward reacts; & that the peachtioner is not to cure it instantly, but to watch and

prescribe for the symptoms. If the pateint does not sink, there is no newsoity for pouring down wine & brandy; at the same lime I wish you to understand that there is a tendency to a low condition, to quand against shich your altention should always be directed: for if you do not take care to meet the first appearance of sinking by the proper remedies, the pateint may fall into a state of irreparable debility.

Among the remedies particularly proper to meet that state which is midway between excessive action & prostration, the volatile alkali with an infusion of supentaria is admirably suited. It is a pleasant stimulus, & acts safely when stimulants of any kind are at all proper. It may be given in the form of julap, in doses of a table shoonful, containing 5 or 8 grs of the volatile alkali. It may be tahen sofely when wine or brandy would be injurious. In This stage of the disease, & in fact in every other stage, Thave seen great advantage result from the use of animal diet. This is contrary to the notions which were entertained by the old practitioners. bullen supposed animal food to be injurious even when it is people to administer wine. But having experunced many opportunities of testing this point, I can cutainly day, that animal doups have, in many instances, produced very happy effects. But all these observations apply to a form of the disease which may be regarded as the least dangerous - a form which , by improper treatment, may be rendered fatal; bent left to itself, may be conducted to a favourable issue.

But what must we do in those cold peostale cases which I have mentioned? What must we do in those cases in Shish all the prostration observable during 5 or 6 days of yellow fiver, are collected in a few hours in malignant typhus? What must we do where the patient is extremely low, the pulse barely perceptible, the skin cold as death, the stomach excessively irritable, & the distress almost indescribable? Under Such circumstances there is certainly no indication for resorting to ametics. It is true that some peaclitioner in the state of New-york, dulans, that in the disease as it fell under his observation, he depended on conties, & on these alone, in every stage. If the patient was low he gave him an amelie to rouse him from his prostrate condition; if he was in a state of excitement, he administered an conti to diminish action; I in fact he complayed a praise ties as perfectly empirical as it is possible to concine using The same remedy in all cases without any regard to the System of the pateint.

In the cases I have just alluded to, you should never use an emitie; so for from it, all your endeavours should be to tranquilize the stomach, to do away restlessness, to restow heat to the surface, & to raise the pulse. To effect these ands various expedients must be resorted to. Reaction is the main object: It is the polar star by which all our measures should be directed. How is this to be brought about? The skin being cold as death, one of the frist indications is to apply stimulants to the surface of the body. We should always re-

member that in proportion to the want of action in the Shin, is the quantity of Minulant medicine necessary to produce a certain effect; that a pint of wine will do as much in an excited state of the system surface, as a quart When this excitement is wanting, & the Ohin is cold and insensible. Hence it becomes of great importance to endeavour to excite the surface of the body that we may increase the effect of internal stimulants. Among the measures calculated to meet this indication, several may be strongly recommended. A practice There adopted, is to wring flammel out of hot brandy or Spirits in which Cayenne peper has been infund; I to apply it as formentations over the extremities and trunk. I have been this on some according useful: but I do not with it to supercede The ducetion of canthacides in ofthe of lumpentine, as recommended by Dr. Hartshorn. When, however, you apply this ducation, you should remember not to un it so as to excite very extensive visuation. Thave sometimes sen inconveniences arise from large blisters onasioned by this application. Besides in cases where the Ohin is very cold, it is of great advantage to be able to apply heat: This is more effectually done by wringing out flannels from heated spirits, & placing Them hot on different parts of the body. If a hot bath can be proused, it may be useful. North recommends hot blocks of hemlock. I have used hot

bricks, & also hot sand in bags, placed around the palient. But while our efforts are directed to restore heat to the surface, we may suppose the domach to be rebelious, & to refuse every thing which is offend to it. What is here to be done? It is very natural to try the effect of opium; but ten to one, it will be thrown wh as soon as it is administered. Armong the semedus will calculated to meet this indication, I can recommend spind Madeira wine. This is generally acceptar. ble to an initable stomach. The spice increases the stime hus of the wine, & renders it more acceptable than it would be alone. But if good wine cannot be procured, or if the patunt has been addicted to intemperance, speed brandy may be substituted. Here it is proper to observe that the stomach is always disposed to act violently if oppressed with great quantitus of any article. Hence small quantities of medicino prequently repeated, produce a better effect, & are less hable to initate, than large doors given at longer intervals. Instead, Therefore of giving a whole, or even haft, table shoonful of wine at intervals of 15 minutes, it would be better to give only a tea spoonful I repeat it every 5 minutes. When this plan does not succeed in tranquilizing the stomach, stimulant applications should be made over the shole opigastium. Here sinapisms & blisters present themselves for our choice. He should wellect that blisters are slow in their operation, & though their ultimate of feets are very unful, up t there are not produced in time to an-Swee the purpose: sinapisms are, therefore, preferable. But there is one application of which I am particularly fond in these

cases; I allude to the Spiced plaster. This is made by mixing agual parts of Cayenne pepper, (or black pepper,) gingu, & cloves, (or all-spine,) Day two table spoonsful of each, & adding to these some are meal, honey, & brandy. The whole is then to be heated, & applied immediately on the opigastrium. The effect of this is often very great. But suppose the stomach still to wrist every measure resorted to . - what is next to be done? You will then prescribe what experionce has proved to be of great advantage, a large anodyne enema. I have seen the stomach rigict owing thing which was offered, & the patient brought to the very gates of death; I in the some case I have seen the initability of The domach soothed, & the patient finally reserved, by an anodyne injection. It is proposed by mixing a tea spoonful of landamin & about a table spoonful of brandy with a little Starch or mucilage. (This is adapted to cases attended with quat prostration: in common cases, I do not use the brandy.) After injecting it, it is to be relained by pressure whom he

Thave not get spoken of the particular heatment adopted and to the cases of cholina & preumonia. During the pewalence of the tephens fewer I saw several persons in the same family affected severely with cholina. This form of the disease has been particularly noticed by North in his treation on spotted fewer; & the treatment recommended by him is well adapted to the case. He observes that the pre-enfully stimulant pearties, particularly the use of alcoholic

inidicines, as prime brandy spirits, it. pais not will adapted to cholica. So for as my observations have gone, I have found he practice of North correct. Instead of distilled spirits, I have found that good Port wine was admirably adapted to this form of the complaint. At the same time, blisters, an odyne injections, I he spirid plaster, should be resorted to. The last of then remedies, applied immediately over the stormach, is particularly well quited to some of these cases. The strength of the policist should be supported by chicken broth, & such like articles.

But the preumonic form, which is generally termed preumonia typhoides, is, in many instances, greatly to be dreaded. I have already mentioned the symptoms which about activity the complaint. You may observe dark bloody furtient the form the lungs, difficult suspiration, with pain in some part or other of the chest. The occurrence of pain molecularly excites the idea that it is accompanied with inflammation. This often occurs, but not always. Deute pain may exist in a part without inflammation of that part. In pheumonia typhoides, dispution, in some indances, manifests inflammation to a considerable extent; but this inflammation is not of the phlymonous character. It is specific in its nature; I in its people place, I intend to speak of it more particularly.

I will now detail the peartie which I would auommend to you in the preum onic cases. If the system has reacted, I would administe an armetis. I think emetics are

particularly serviceable in this form of tephers fever. I have known them to exect considerable influence in amoving the pain. At the same time per should clear the bouch by ca-Shartin medicine. If there is much action in the aptem, perhaps a small quantity of broad may be taken away with advantage. But I would in general perfer local bleeding to venesation. Suppliing has several advantages - it promotes external initation, abstracts the blood in mediate by from the part affected, & does it so gradually that the system has time to accommodate itself to the loss. After having evacnated the stomach & bounds, I would recommend the speedy resort to extensive blistening over the affected part, & to the sudo rific plan of treatment. Among the remedies but adapted to this form, is a combination of opium & speamawha, admin istend every four hours, filling up the intervals with diluent drinks. If perspiration be not produced by these mean uns, the saline draught, or the spiritus, mindensi given very hour, may be advantageously added to them. In addition to these I would advise warm applications about the patient. This plan generally oriends in bringing on a free disphorises; & I believe in the presonance form of the disease, is often extremely salutary. If you find that the patient is in a state of considerable delility; if the pulse is lawquid, & the evidences of prostation very conspensors, some Thing mow will be newsoary than herb teas & the Doore's powder. you should then usout to vinous stimulants in some shape, & if the patient has been a hard drinker, even to brandy. But in my opinion wine, in this disease, is profesable to ardent spirits. Upt there are exceptions to this wele. I among brandy dishers we are obliged to pursue a different course from that which we follow with the temperate. Wine they I regard as an excellent perparation. A mong the teas or infusions, I should mention that of berpentaria, which is a most valuable medicine in this complaint. Volatile alkali is a remedy from which we may often derive quat advantage. Sometimes it may be given in the form of a boles, in the dose of got every how or two; or in that of julch, if it he more agreeable to the stormach of the patient.

In some of then cases, after the disease has passed the 3. I or 4th day & is verging towards a crisis, very great prostration of stringth comes on. The sweating process should have its limits: it may be continued too long, so as to induce quat debility & weaken the patient. It is proper, therefore, to kuch this in view in the treatment of the disease. Some of you may another the case of Touth Destingood. In that in-Same when the patient had gone on very well to the 5th day, extreme debility with a prequent fuln come on. Dr. Griffitts I myself, immediately on preciving the change, adopted an active plan of stimulating & supporting treatment. We derived qual advantage from the use of a strong desortion of book with the addition of Hughans's tructure, & given in alterna tion with the volatile alkali. In addition to these, wine I a mutitions dich were assorted to. The anxiety I felt can

searchy be described. The patient was in the very prime of life, an excellent husband & father, & surrounded by a nesmous family. By persisting in the treatment I have memtioned, he hoppily enovered.

There are some cases of preumonia which, at initio, are beyond the each of medicine. The lungs from the moment of attack are disorganized, & the blow proves fatal. I shall hereafter have occasion to speak more fully on the onlighet.

I do not know that I need proceed further with the different forms of this disease. But I wish to give you some further views of the practice as applies to the complaint generally. When the patient has passed the first stage of the attack, after the system has wanted, I has again begun to sink into a state of debility; or Shen it is in a condition in which reaction does not take place your views should always be directed to support the strength. For this purpose you should asout to stimulant practice. But it is proper for me to remark that the patient may be injured by the improper use of Olimutants, as well as by deptition. At the same time I must observe, that some cases of typhus require a quantity of stimutant medicine almost beyond relief. But when the patriot is in that state which calls for the constant I vigorous use of such remedies, beliving as I do that obinitants are edged toots in the hands of a prostitioner, I make it a proint never to have the patient long at a time, without voliting the effect of

The medicine. I have generally been allo to find judicious nur-Dis with whom I could have my patients for ownal days hours. you should use stimulants till you bring the system as nearly as possible to its natural state, & should not unge them beyonds this point, remembering always that the quantity of stimulus necessary to effect this ustoration of the system to the natural condition is for quater than what is newsway for relaining it after it has been should. Hence, you should endeau our to impress the muse with this simple truth; that if one pint of win is necessary to be administered during two hours to caise the system to its natural state, one half the gream tity will maintain it there for the same length of time. Another important view is, that stimutants are transunt in This operation. They art by producing a momentamy excitement. Hence we should have a two-fold object in the treatment of typhus fewer ; frist to rouse the patient from astrome delility by the use of diffusible stimulants, I then to pour in nowishment for the purpose of maintaining strength. A variety of articles may be comployed; but none is disriving of a higher rank than the connec of beef. In this preparation we have a concentrated form of animal pourishment. Bisides this, calou's feet jelly, eggs, with wine or brandy, & orptus, are very serviceable. It is astonishing what a large quantity of oysters has been taken by patients in typhus five. In a state of very great debility, it is necessary to give something very often; I in some instances I have direct. ed one or two systems to be shallowed every four minutes.

Among the remedies resorted to in this low state of the system, I have yet to speak of the spirits of temperations. I consider this remedy admirably well adapted to the peastrated cases of typhus five ; I the more extensive my observations have been, the more reason have I to be partial to the medicine. For although there are some eases when brandy is administered to a great extent with success: ept fuling as I do, that it is an edged tool, I never resort to it in large quantities, unless the patient is immediately under my own cyc. But spirits of temperation is not liable to this objection. The questest fall that I can find with it is, that it acts on the bowels if given in considerable quantity. This tendency, however, may be countwaited by the use of spinn. I have usually administend the spirits of tempentino in this form: The Ol. Firebinth. - gut CXX

Succh. all. . . a a 3 ij Agna cinnamo. . 3 iv M.

In this mixture there are about fifteen drops of the spirits of turbentine to every table spoonful. This dose may be given every half how, generally in combination with a few drops of landamm. In some instances when wind the brandy have failed of producing the disired effect, I have sure the spirits of turbentine act most happily. But cases sometimes occur when the system will not according to vigorous stimulant practice, after several hours

fair trial. This is an important fact. Instead of continuing to drench the patients with stimulants, I would advise you to try some new impression; perhaps an amotic to rowse the stomach, may be wriful. I have seen, in the case of a loy, an injection (which produced a free evacuation) followed by a rise of pulse & an increase of stringth, when stimulants were laid and.

Take especial can that you do not confound a state of intoxication with a case of real delility; because, in the state denominated dead drunk, you frequently have a cool okin & depressed pulse.

I would give you a caution relative to the extension use of blisters in this complaint. I believe that extension this blistering occasionally produces bad effects: They cannot versication, & keep up a discharge from the skin which tends to exhaust the policy. I have occasionally used them with great advantage, merely as relatacients. I apply them to some part of the leg & let them remain only lill they produce redness; Then taking them off, I apply them to some other part. In this way they operate safely; Thereas, if they were left till versication pesulted, they would tend qually to increase the debility.

These may be regarded as general views relative to the discase of which we are treating. There are some other forms which we must with in practice; but a man sho is once accustomed to the complaint, & fairly aware of its invidious & fanger our nature, will soon be able to recognize, & must with ofpropriede treatment, all the varieties which may occur. I will again repeat my belief that typhus fever is a disease their generis, specific in its nature: that even the inflammation which occurs in the course of it differs from common inflammation; that the practitioner should consider in the treatment of the complaint, that there is qual reason to fear peart of action, as well as diseased action of a purchase kinds.

When I was treating of yellow fever, I gave you an account of some terrible symptoms which occurred in the last stage of that complaint. Black vomit, himorrhage from the nose bowels, H., blood orging from the tongue & from blistereds surfaces; & in some instances, though less common than The others, petichial shots made their appearance. In malignant tipphus all these effects were generally experienced in an costin stage than in yellow fives; peterhial ofoots afproud much cartin; dark bloody sputum was, in some instances, cowal with the attack; black vomit occurredo, but was not common; bloody wine was not an unfrequent symptom; I, in some instances speedy & fotal disorganization of the lungs took place - the death blow was given at first & the system never reacted. This will hap from in some cases under any kind of treatment. Hence Shen medical men, Day that they always Ducceed in this com plaint, that they never lost a patient, that nothing more is necessary to seeme the sick than to send for them, - such men I have heard of,) at least, I call in question their judge

ment if not their candows. In those instances where the lungs are speedly disorganized, there is generally great difficulty of breathing, heaving of the shoulders, dark, bloody spectrum, It. but the expedication is generally shight. I recollect the case of a young man of intemperate habits, who on his journey from Abington to this city, was attacked with a chill at the Fox-chase Favren shich is about 3 miles from the city. He reached home, however, I the family physician was sent for that evening. Next morning I was called in. The system never reached; the lungs are compteledly engaged, & in a few hours the patient died.

I concurred that this disease anticipates all the violent symptoms of yellow frow, in its last stage, in a most exhaordinary manner. To ellustrate this statement I will mention the case of a child of Mm. I. Bell of this city, He went out one morning in winter with his mother in a bligh & took a ride of ownal miles. On his return he dined with the family; I although appraise a little drooping, get no alarm was excited. About 8 o'clock in The evering, The child was so poorly that they sent for medical aid. Dr. Wiston was called on; but being unwill, refund them to me. I save the patient, I found the pulse borely perceptible. There was a disposition to coma, with mild delinim, & a great dread of falling, which symp. bom I had often witnessed in cases of typhus fever,) Before 6 o'clock the next morning. The shild died. The sonor of tath in this instance was so palsied, that the patient could perceive no difference between pure wind I pure water. When he died he was as spotted as a leopard.

every morning before breakfast. While there he was taken unwell, I with difficulty reached home. This phybrian, Dr. Dorsey, was requested to see him, Shish he did early. Some blood was taken, & cathartisk medicine administered. That evening at 10 o'clock I was called in consultation; & Bhile I was in the poom the patient expired, This countenance exhibited marks of the uternal malignan-

cy, & dissolved blood found from his nostrils.

In some subjects that we must with in practice, there is more energy to shoughly with the stroke of the discourse. The system peach, & the physician has some chance of prescribing with advantage. I have compared the action of the system with regard to the facility with which it exists to the stroke of disease, & the energy with shick it struggles against it, to the multiplied varieties in the human character. Some suddenly bend under affliction, & when any thing untoward has ourned, give who all as lost; Their resist misfortune, & struggle manfully to the last. In some families there is great tenacity of life. They withstand the old age; other families possess has tenacity of life, & yield specially to marked impressions.

I have spoken of the disorganization of the lungs in this

disease. I will mention to you some reflections which have oured to me on this subject. Every proutitioner aunstorned to mark diseases as they arise, is fully aware of the fact, that determinations to particular parts of the body take place at particular seasons. Thus in hot weather, disease is particularly determined to the Somach & bowls. Home cholera, dipenting, dear haw, see very common in the dummer months. There is a strong disposition to disease of the stomach I bowels in consequence of the heat; I hence, when yellow frow appeared, these parts were aft to feel the force of the camplaint. In win ter & oping the determination is to the thorap. I you are all familian with colds, plurisies, bl., which are the discasons of these trasons. When the temperature is reduced, & the weather often changes, the pulmonary orptim is remarkably aft to suffer. In winter there is a predisposition in this part to be arted on by any general disease. From this we see the reason phy typhus prienmonico pas so common in the winter & spring. In the affection of the lungs which accompanies this complaint, The distolved blood percolates through the vestels which are unable to usit it, & give to the part the appearance of inflammation. Look at the rid eye in the last stage of cholera; - can this result from excessive inflammation action? In Children pour down to the lowest stage of delility, when they are more shin & bone, I only a day or two before their death, we may often perceive the

red eye, resumbling almost precisely a case of auto of Malmia. When this symptom is perceptible, defend upon it, death is mean at hand. The rid up in cholica is a prote by certain token of approaching dissolution. It cannot, therefore, be supposed to be the result of excessive action. The same may be said of the red eye in the advanced stage of tiffhus five. By The eye we often judge of the state of the brain. The eye is The window of the brain, by means of which we can judge of the operations that are going on within. Now when we see dissolved blood baking out into the cellular texture, and forming petichial spots, can we be surprised that the spongy titure of the lungs should particularly invite this kind of diseased action? Hence the fatat disorganization which takes place in these organs. I we may easily believe that the same takes place in the brain. Here are important question presents itself, - How does the blood become dispolved? Is it brohim down by excessive action? This is a doctrine believed by many; a doctrine which, when I was a student, was taught from the Professorial Chair - that the crasis of the blood is broken down, its vital power extinguished by excessive action. Even the appearances in servey were said to be from the some cause. I am not an advocate for this doctrine. In peartie it is extremely dangerous. That instances may our of disolved blood arising from excessive action Iread. ily admit. This is examplified by the effect of lightning, & do not shink so.) The blood of persons who have been killed by lightning is, we are informed, invariable found to be in a

disoolved state. But I believe that blood may become dissolved by a dunt abstraction of vital power. I found my belief, not on theory, but observation. De, Wiston & myself attended an old lady, 85 years of age. She was not confined to her bid during our show attendance; yet in consequence of the affersion of dissolved blood into the celbular lixture, she was covered all over with peterhial shots. I can scarcely believe that all this mischief was produced by excessive action. It was in fact nothing more than The woult of direct debility. Let us look at the courses Shish operate in the production of Dunny; & then asks Shether it is probable That the orging of blood in this case is the effect of excession action. We find the disease in Ohips during a long wayage, where the dittis impossibled, the body confined, & the mind frequently anxious & depressed. we find it also in besigns cities where the same causes operate. What widene is there that in tiffhus five the disolved blood is the usult of excessive action? Do the symp. toms warrant the conclusion? Have see the strong, frequent I full pulse of plenning & vheumation, or the stow & laboured pulso of apoplyy? On the contrary, we frequently have the gasious pulse; sometimes the feeble, creeping pulse, and sometimes no pulse at all. In some instances the synoch. ula pulse of Dr. Rush, which is small, frequent, I tenso, may be observed; I if I were called to select a case of difficult management, & one which would most probably terminate fatally, I would select that which is a companied

with the symocheda pulse. We prequently must with this pulse then the general symptoms indicate extreme danger. I remember noticing it in a potent who was at the time covered with petichial shots; I it continued to the day of his death. Besides the condition of the pulse in tephers five, we have other pyroptoms of debility. Sometimes there is a very cot skin is very hot, Let us look at the specialism of remedies. In the early stage of preumonia tephnoids, the dark bloody specialism is diminished exactly in proportion to the clevation of the system, produced by strimulants. Would this follow if it were a disease of excessive action? I answer - no. I will mention a case in point:

guence of himorrhage from the lungs. A large quantity of florid blood pear thrown up; but as stop was, after a whole, post to the discharge. But before I saw him, he had complained of feeling chilly, & in consequence moved to. wards the fire, & drank some warm coffee. The hemorrhage was renewed with violence. The pulse was feeled; but the other symptoms imprisously demanded the lancet, & bleeding relieved the patriot. Now in this case, the practice proper in tepphons fewer would have bled the patriot to-death. What would have been the consequence of giving this man wine whey & volatile alkali, when a little warm coffee of the heat of the fire renewed the hemorrhage? The visuals of the lungs would have exerted themselves so onewh that

he would probably have bled to death. Conhart this case with those in which a dark bloody spectrum is discharged from the mouth. In the latter instance, in proportion as the system is devaled, the discharge is diminished & the danger homed: in the former every alternate at thinkelation increases the hemosphage, & the only way to put a slop to it is to depress the system. In hemosphage from the lungs, as it commonly appears, every practitioner knows that shatever tends to excite the circulation proportionably.

increases the danger.

Appeal to the praditioners in Shore neighbourhoods The disease first appeared : - They often viewed it as an inflammatory complaint, but by dad experience pour tought to change their opinion. Instances of synchops I death have been known under the use of depleting remedus. Ont it may be said that dissection unfolds an en gorged state of the vissels, & topical inflammation. Little is to be drawn from this. Sersons not accustomed to dis. Intion are easily duried by the gravitation of the blood to the most depending parts. Even in the living state, the blood soges through the vissels into the cellular texture; & of. les death it sometimes leaks out entirely, & is found in the lovest part of The body. Witness the case of Dr. Wester, whom distrition no blood was found in his vessels; but having leaked from them was diffused into the allular lexture. Henre the inference from the congestion of the vessels, that there must have been increased action, is followers. But

The inflammation is intilled to attention. I have, in some instances of tighters fever sucondoubted symptoms of inflammation; I have seen the lungs covered with a membrane of coaquelable lymph; I have seen them sink in water like liver, & their cohesion to distroyed, that they could be torn & penetrated by the frage with the atmost facility. In this condition of these organs, I have some. times seen genuine black vornit. Here an important question arises, - must active inflammation invariably be heated with the land! If inflammation is an unit, differing only in degree, the treatment must be of a Dimilar character. But I do not believe in the unity of disease: wither do I believe in the unity of inflammatory action. I believe that inflammations are various; het some assum a puntiar & specific character, & demand a puntiar management. Take for instance The carbun. de or anthrax. Here is inflammation in a high digner: The feelings of the patient proclaim it; we delet it by our organs of vision. Here is an inflammation which runs its course to the distruction of the part; The cellular texture inflames & bloughs. But will any experienced man say That anthrax may be cured by vigorous deplition by the lancet? No. Whatever theory may suggest, the experience of the oldest peachtones is directly opposite. A different plan must be pursued in the treatment of the disease; you must allay pain by open, give tonis, & apply blisters & poulties to the part affected, lent you must not draw blood. I

wollet, in the early period of my practice, before I was awar of the nature of the disease, I had a patient afflicted with anthrox, & directed beeches to be applied to the inflamedo part. De. Shyrich was called in consultation, & I informed him what I had done : at the some time I told him I had not get taken any blood from the arm. His wholy was, "No bless your soul! no - nothing of that sout." He Said that tonics & opium should be amployed; I under this treatment, the patient soon recovered. If anthrong is to be managed by open, tomis, & cordial remedies, let us turn our altention from the outside to the inside, I inquire if an internal inflammation does not some. times take place, analogous in its notice to anthrox, and yielding to the same treatment. I with not at this time to give a possitive opinion as to the exact identity of this inflammations; but most assuredly I can say, that in typhus fives I have seen topical pain relieved by a practice which would greatly have exasperated the ante phlymonous inflammation.

On the whole, my views relatives to malignant ty shows from are, that it is a disease of loss action in which the patient may sink from direct debility; that if the cuplem have vigour enough to react, & the cerula thou become increased, & at the same time local determination & inflammation take place, a little blood may, in some instances, be drawn with advantage; that the land, however, should be contioned used, & ametics & ca-

thaties with cold ablutions employed in its place for the reduction of artion; that topical blooding by cups is prefurable to the total of execution of prefuration of tethes the blood more plouly, a measure to the past affected; that sweating may in some instances, be complyed with safety, & even with considerable advantage; but that this, like every other depleting measure, should be limited, & not employed in the last stage; in fine, that the doctrine of prostration arising from excessive action, a to be relieved by bloodletting, is very hazardous; for though I admit that a state of suffocated excitement may, in some instances, exist; get great judgement is arguind to detect it, a for more mischief than beingit has arisin from the doctrine.

General View of Geven

Thave now gone through an account of several descriptions of fever. This is a subject so intensting in a practical point of view, & it is so necessary that you should be thought it but to enter more particularly than I otherwise should do just an account of this kind of disease. I wish now to close the subject by taking a general view of fiver as a shole, & examining certain theoretical points connected with it; & first, I shall speak of the premonitory signs of fever.

A general lassitude & dulness are often manifested by patients about to be attacked with five. They feel indisposed to exertion, & are easily fatigued then they allement A. A loss of appetite, or inequal appetite, nausia, disturbed sleep, & a constituted state of the bowds are not unusual premanitory signs. Sometimes the patient is disposed frequent. by to go to stool; but his passages are small & ineffectual. A sense of rigour & chilliness are very common. Dr. Hew-Ion informed me that when the lifthus five prevailed in The prison, an attack was very generally preceded by constipotion of the leavels, & that a brisk pungo, administration This slage often proved advantagious. Some years ago the tiphus from existed in the Alins House, during my attendand, I many pursons were affected with the complaint. This cases were generally brought down out of what is called The long garet. At first the people plan of management was not understood, but it was soon discovered to means of prevention I directed that the rooms should be freely vintilated; I also directed the students to go through the wards & Thenwer they daw any one complaining of nausa, littlessness, de. That they should immediately order an ametic of hecamanha. After the adoption of this mode of monagement, the cases became much less numerous, & much milder. You should always remember, [Shen you have the power, I to attack fiver in its forming stage. Dr. Rush und to insist strongly on the newsorty of attending to this rule. How much good have I done, says he, in The form.

Jone attended two patients extremely ill of frew Shick run into a low, protracted form, or what word to be called a low newous five. They recovered after being a long time rick. Sometime afterwards I saw both these patients at tacked with Shat I thought premonitory origins of fives; I had I permitted the disease to go on, they would probably have passed through the same tedious confinement as before. In both cases I blistered the wrists immedially, &

The result was most happy,

I will now our up the general principles of treatment as regards fives. I have endeavoured to impress you with the importance of evaluating the first passagis; & also, in some instances, of usorting to general and topical bloodletting, suording to circumstances. After this I mentioned sudorifies which often prove very advantagrows. But if sudorifis fail; if the skin remain hot & dry, & the patient restless, a better mode of reducing fibrile action will be the use of cold ablutions; in some cases when there are improper, you may safely resort to tepid abbutions. I have been much pleased with the efficacing of blisters for local affections - to the head in delicium, to the breast in preumonia typhordes, H. But there is a state of the system when blisters come in very properly as a general remedy. This is particularly the case when the patient is very restless, throwing about his limbs, com-Hantly changing the position of his body, & often Dighing

or in other words, when he has fallen into a state of great nervous irritation. Here blisters often produce a very happy effect. If called whom to mention the remedy most pourful in arresting the progress of frow (if inded it is to be arrested.) I should unhisitatingly say, that blistering is hat remedy.

Tomis & stimutants are to be used according to the directions I have before given, remembering that it is easier to maintain the peoper strength of the systems, than to restore it after you have driffered it to sink too low. That there is a possibility of elevating the sigstem beyond a proper hoint. That stimulants are not permanent in their action, & hence it is newsoary, in cases of great delility, to interpose between the doses, some article that is eapable of supplying nowishment & permanent strength - such as essence of beef, though broths, & other highly nowishing articles.

There is another fact in the low state of fivers to which I wish to call your attention. It not impregnently hoppoints to that potents are so low as to be insensible to the calls of nature. I have known a wast collection of wine in the bladder prothont the attention of the potent or the physician being called to the circumstance. I have seit-nessed a case of low fiver when the bladder was so much distended as to reach nearly to the scrobiculus cordis, & assembled the uterus in the Ith month of pregnancy: but it was not discound till too tate. The water it is true was

drawn off, but the potent soon died. In low forms of fiver, always make it a point to inquire into the state of the bladder. I have known instances in which patients of fuled with fiver, by lying on their backs, have last all former over the bladder, I it has been absolutely newsoay to use the catheter every day for a considerable length of time. If this accumulation goes on increasing, the water at length comes away shontaneously; & practitioners at tributing this symptom to general delicity, ought the catheter, the only method of procuring relief.

Satisfar attention Should be paid to the limbs of children in the low stages of disease, as there is danger of their becoming permanently contracted if they remain long in one position. Moreover, the parts on which the patient his being long subjected to pusseur, sometimes stough extensively, forming sous very difficult to manage. To prevent this, the position of the potions should be frequently changed; I when it has hoppined, the presture should be taken off the excoriated parts by appropriate cushions.

These I have thrown out as general observations on the subject of treatment; next I will make some armacks on the usual signs of convalisance. When attending a patient with fives, at the approach of the critical days, I always look out for some symptoms indicating that a solution of the disease is about to take place. I have often hailed certain appravances that

might have escaped a superficial observer - I have hailed them as the approach of the morning dawn. The tongue is often an index of the state of the disease. As a general rule, the tongue is fund in frow; & the cleaning of it is often the first evidence of convalisaence. A man aunstoned to examine the tongue, will discover a disposition to clean on the tip & edges before a superfitcial observed would have his attention called to it. Then are two ways in which the tongue may dean. Most commonly the fur gradually disappears; I then a speedy no to ration to health may be anticipated. Sometimes, however, A breaks away at ones; I under these circumstances, the convalisance is tedious, paroxyoms of fever often return, I sometimes own daily for many days; but the disease gradually wears itself out, & the patient ultimalely serovers. Critical queats are after signals of convalisance. have before told you that the five with which I was affulia, from attending in the Hovell family, (The Howell family & The Doctor's illness have not been alluded to before, terminated in a propuse quest on the 4th day. A reduction of the frequency of the pulse, Shen acrompamid with other pavourable symptoms, may be regarded in a pleasant light: lent unless the attendant symptoms are considered this sign will often be found to fail. In yellow from, the pulse becomes moderate & natural, and an inexperienced physician will be aft to suppose that all is well; when another better arguainted with the disease will predict a spready dissolution. Patients will often mover from from with a frequent pulse; but under these circumstances, I am disposed to keep watch, for fear that some internal mischief may be going on.

The State of the bowels should also be regarded. In five on the bowels are always in an unnatural condition; sometimes constipated; sometimes the reverse. Even if medicines operate freely, you will find the passages post to be natural & healthy, but often dark coloured or green, & exceedingly offensive. When these change, & yellow final evaruations are procured, you may then infu that the liver which sympathizes with the general system, has now undergone a change of action; that he they like is secuted; & that convaluence is beginning to down. There are, however, exceptions to this rule; in the case of a young man attended by Dr. Moon, the evacuations from the bowels become perfectly natural but a short time before his death.

The unine is not so much attended to as it ought to be, as affording signs of the state of disease. Among the old practitioners it was so closely observed, that they were aft to neglect more important indications; & hence it came came into neglect. But certainly, it is of great advantage to attend to this execution in from Br. Wister used to pay smuch attention to it, & The same is the case at present with Dr. Griffills. When the from about there is said to be given ally a deposition of latentions sediment in the wine. I can little on this subject from my own experience, as I

have paid has attention than I should have done, to the wine as an index of the state of the disease.

Our accustomed to examine the countenance in frew, will place much dependence on its expression, in forming an opinion as to the approach of a favourable or unfavourable crisis. But in this ease description can convey to you no definite idea shatever. It is only by experience that we are enabled to form a correct judgement from this

When speaking of the Digns indicating a predisposition to fever, I mentioned that a change of habits often takes place. For instance, a man to fond of tobacco that he will give even bread for it, loses entirely his relish for this article. But in convalisance, you find a return of old habits among the very first signs. A disin for custom. any food, & what is a amarkable fact, a desire particularly for bread, is a very favourable Dymptom. Thave often been struck with the fact that patients in a fever will take food of certain kinds, but Aldom with for buss. An experienced black nurse in the yellow from Hospital, in 1805, made a remark which I have since of. ten thought of , - that all the patients who wanted bread mound: I though this is not unwersally the case, yet I have no doubt that his observation was founded on expurines. I once knew a patient exceeding low with nervous frew, who in the dawn of convalisance, called encessouthy for with . I form that time he began to acrown.

When then has been much delinem, & This tulosides, it may be agarded, in general, as a mark of convalisation.

But this is not always the case. We sometimes find delirium continue agging to a very later period, Then it subsides, I the patient becomes perfectly calm, yet sinks operably into the grave. In proteasted cases of newous fewer, we often have the most decisive degins of convalisationed before the mind begins to act with acquiarity. In the case of the patient who called so earnestly for milk, three months daspoid after this time, before his delinium' subsided.

I will now speak of the unfavourable drops in from. When the pulse is very much increased in fuguency, becoming almost to rapid for enumeration, you may conclude that the case is going on very unfavourably. When along with this you have subsettus tendinum, the danger may be considered still quater. Sometimes, however, por may be alarmed with the idea that the patient has subsultres tendinum, when in fact, the motions of the muscles are voluntary. In the case of a very amiable girl whom I attended in consultation, as ditting by the bed did of feeling her pulse, I felt a start of the tendons in her wrist. Hoping that the might have voluntarily moved her fingus, I made the inquiry of her, but found that she had not been smibble of any motion; & I then drew a very unfavourable augury from the ourrence. She was a corpse next morning.

A brown, dry, & chopped tongue may be regarded as a

bad dign; though patients often recover after this symptom has appeared. But there is another kind of tongue, particularly in old proper, which is dueption & very dangues. I have from it in some cases:— The tongue becomes moist, & seems disposed to clean. On examination, I have found that it presented a surrous surface, retaining a brownish colour, & imparting to an observer the idea that the patient had been taking ourrant jelly, or some dark coloured mucilaginous article. This is a very bad sign.

The sudence drawn from the appearance of the blood is sometimes important. Phippings, a cupper of large experience, in this city, has often been able to form a very concept prognosis in fews, & I have prequently been should with the truth of his predictions. In Dr. Wistan's case, when he had been cupped, Ripugu, as he was coming out of the room, said to me, "Bostor, he will die". I asked him his wasons for supposing so. He told me his blood was blive. He then reminded me of the case of a patient I attended in shich he had observed the same approxime of the blood, I did not exactly understand; but I am individ to believe that his observations are correct, I that the blood is dissolved.

Delinum ourning in the latter stages of fever, particularly when it is of that maniacal kind which induces the patrint to snap & lite, is a most dangerous symptom. Conoulscins in the same stage are extremely dangerous, & very generally fatal. Torpor of the whole protein in the latter stages is a very bad sign. When you see persons, who in health were remarkable for delicary of feeling, become careless about the exposure of their bodies to the allendants; if at the same time, then is a disposition to stip down in hed, & involuntary evacuations of wine & few take plaw, you may consider the case as exceedingly dangerous, though not newsorily fatat.

I will now day a few words on the dying state. Let the disease be what it may, the appearances in this Aute are very Dimilar. In chronic cases you will discorone a condensation of the fluids of the eye, & an apparent film own the cornea. This is almost always a fatal sign. But a still more striking symptom is a peuliar kind of respiration which comes on just before dissolution. The muscles subservient to building, seem to be totally from under the control of the will, I the patient is unable to puwent that distressing frequency & hurry of respiration which is to be regarded in so unfavourable light. This kind of breaking is followed by those dech inspirations which mark the dying state. The Dymptom Which I have invariably found to be fatal is a projection of the under jaw. After this has occurred I always expect a falal issue within 20 or 40 minutes. I was once called to see a little girl with apiliptic fits, Show That several times visited before in The same complaint. When I entered the room I something purliar in the case. There was among other symptoms a prodigious thiols bing of the carotids. The patient had been bled before I arrived. I told the parents there was something peculiar in this attack; & while looking at the patient, I observed, all at once, a projection of the under jaw. I was immediately impussed with the conviction that death was nead at hand, & I had hardly time to prepare the minds of the parents for the change which was about to take place, but fore the patient died.

We will now pass to other views of this interesting subjest of fever; & first, we will examine the doctrine of critical days. Hippocrates taught that there are sertain days on Shich fiver is disposed to come to a spontaneous orisis; & the doction has not been without advocates from his time to the present. Dr. Rush believed in critical days; & though he employed the most active remedies in the treatment of frow, get he used them not with a view to cut short the disease, but to prevent unpleasant consequences to the fatient system during its continuance. Let us exam. ine shat is the course nature pursues in intermittent fever. Suppose a patient to be afflicted with a tertian. First your observe chilliness or rigon, sometimes so considerable as to amount to a complete shaking ague. When this sigour outorder, The couptine reacts, the ohin becomes hot, the countre. name flushed, The pulse active, & The hot dage is completity developed. After this has continued for a short time, nature brings about a solution of the five. The heat about, The frequency of pulse is diminished, a propuse perspiration

breaks out, & there is a complete absence of disease. The patent now walks about & pursues his usual avocations till another paroxyson occurs. Here then is an example of a crisis brought about by nature , a, as a general rule, the some course is pursued - we have the same succession of chill, from, & sweat, whatever remedial measures may be adopted to present it. But by interposing foroper remedies between the paroxypons we can prevent their recurrence, & Thus effect a cure. I wish you to observe, however, that we do not break the disease; we only take advantage of an interval allowed us by nature to prevent a return of fiver. If all this is true with regard to intermillents, why demy that remittents may be governed by the same laws? In remittents there is every day a diminution of the febsile symptoms, & an apparent effort on the part of nature to effect a solution. The effort, however, does not succeed, I an exambation again takes plaw. This state of things continues for a certain period - 3, 7, or 9 days, for instance, When, soone or later, according to the nature of the discare I The constitution of the patient, a complete crisis is effected. As in intermittents, every other day the fever is disposed to disapprav, & at last goes off on one of those days on which it would have gone off, had the disease been a tertian frew. I do firmly believe that asmittents are governed by the same laws as intermittents. We are led by this doctrine of critical days to wish the question, whether by heatment we are able to cut short a fiver, or, in other words, to prevent A from running

a determinate course. This, as I shall soon show you, is a duply interesting & important consideration. I am perposed to Day, when from is fairly formed; when it has passed over The period of predisposition, or that space which immediate by precides the full establishment of the diseased associations, that, as a general cule, it cannot be cut short. Its violence may be much moderated, & by proper treatment, it will generally be conducted to a favourable isono; but I cannot be arrested in its progress, at least, in the great majority of cases. This is not a matter of mere speculation: it is of the utmost peartical importance. If from is to be cut short, A follows, that in violent cases, violent remedies must be assorted to for their come. Thus, in yellow fewer, a disease which runs its course in a few days, & is characterigid by the atmost malignancy, if treatment is to cut it short, the most vigorous measures must newsoarily be complayed. Now let us examine this point, & ascertain the acsult of different kinds of practice. The time was when it was generally believed, that it was scarrely possible to heat yellow from too achiecly; to draw too much blood, or to throw in too much mereury. This at one time was the fashionable pearlier in our city. Other strong measures were also amplayed. But I believe that the peartie of Dr. Monges will be found as successful as that of any other physician in Philadelphia, if not more so, & it was remarkably mild. In some instances, in the early part of the disease, if much action pear cordent, he drew a little blood; but he never enry

played mercuy. His practice was very simple, & not calculated to cut short the fren, but to conduct it to a favousable isome. In the year 1805, in the city Hospital, the position in yellow from became much more simple than it had been in the puceding years, & the lancet was seldom proorted to. The practice of that year was admitted to be equally oncerospel, if not more so, than in former years when a different course was pursued. Let us now dunt from the yellow from to our own indiginous fivers. Take a case of autumnal remillent, & see how for a practice calculated to cut up the dis oase by the roots is preferable to mild measures, calculated to conduct it to a favourable ison. Instances are not wanting in which practitioners have pushed on with the utmost boldness in the management of autumnal fivers. In Lancas ter country, on the borders of the Susquehannah, a gentleman gifted with strong latents by nature, & possessed of much medical information, fixed himsely with a view to practice. He had written an inaugural cosay on the unity of disease. A fiver arose in his neighbourhood, which, in the hands of this physician, buame a most mortal opidemic. In a Imall circle as many as 52 deaths occurred. What was The heatment? It was of a most violent character, & can wid to the utmost extent. Bluding, profuse bluding, was worked to in every paroxipm; & whenever the from rose it was to be counteracted by deptition. What seem the consegeners? This patients died around him in quat numbers. What was the would of an opposite course of treatment."

In the same nughbourhood, in the same disease, men with not half his talents & medical attainments, quided by experience & common sinde, & not under the influence of theory, met with great success. In their Lands, the disease which he had found so fatal, became a moderate disease, & yulded, as autumnal fivers generally do, to compar atively mild measures. Evacuations from the clomach and lesvols by emities & catherties, sweating, the occasional use of the lancet when the symptoms run high, with lelisters, & back in the amissions or intermissions, constituted the contine of their pearties. But by this practitioner back and all tonics pour uttily condimned, & even then the patient exhibited symptoms of the utmost delility, no obinutant med inner some allowed. I mention this instance to show how falal is false theory, even when the man who believes in it is possessed of good natural talents.

There is another wins of the subject which, however humiliating to the pride of medical science, must, moutherless, be taken. I am very far from holding out the idea that medical interference is entirely unnecessary in frow, I that the lest course is to have the disease to nature alone. I have said enough to convince you that I am not idle myself in the treatment of such cases. But I have now to relate a fact which, at any rate, should make us pause before we adopt violent measures. A very respectable practitioned who was a surgeon in the army during the late war, to. From bridge, informed one that, at a certain forced he was so

situated in the camp as to have the power of making a comparison between the effects of art, & the unasorthed operations of nature in cases of fives. It one time there were 30 patients sick with this disease, who had no medical allention whatever, & from circumstances which could not be avoided, were unable to obtain any. Upt the Dr. found that. They made out just as well as shore who had been un du trotment: The some perportion, as far as he could judge, recovering in the one case as in the other. This is a humiliating fact; but it is worth remembering. Be for using severe measures in anticipation of certain events, let us be certain that those wents are likely to our. I am persuaded that violent measures have after done much harm; as much, perhaps, as the disease would have prodund if left entirely to itself.

world as to the cause of five; & bottomed on These openulations many hypotheses have flourished for a time & then passed away. At present there are some fashionable doctions present prevalent, which require a candid examination. One of these, to which I wish particularly to call your attention, is that recently given to the world under the name of an aminest French physician. I mean Browsais. He teaches that all fevers depend on intestinal initation. The mucous living of the stomach & beards initation. The mucous living of the stomach & leaveds he considers peculiarly liable to inflammation, & regards it as the formary seat of five. Others title us

that fiver is whered in by an engaged state of the wenous system, or a state of sufficeted excitement two this was which apply to the same circumstances; the first spoken of largely by Armstrong, the second supported by Dr. Rush. There are some who maintain that in every case of fiver, the live has much influence in its production; Shile another set believe the brain, if not the primary deat of the disease, is at least more or less interested in it. Now I am willing to admit that, to a certain extent, all there are correct in their opinions. That we have local initation & inflammation in from there is no doubt; but I am disposed to consider this state of things, not as a cause, but as a consequence, of fiver. That fiver may arise without any inflammatory action of the system, I think I do know; nay, I have known it to auco under a princely opposite condition. Safuse evaluations of blood may produce it. I resollect the case of a lady who had suffered from profuse hemorrhage shith had redund her so low that her extremities four cold and her pular extremely feeble; yet the next day the was affected with frew, & action enough existed in his pulor to call for the lancet, if other circumstances has not contraindicated its use. Dr. James who attended The patient perth me, observed that Dr. Duman, or some other celebrated acomhem of London, speaks of this as a circumstance not uncommon; I that

patients rarely die of uterine hemorrhage from the mue loss of blood, but from the four which follows, In opposition to The opinion that intestinal inflammation is The primary cause of fever, let us take a case of common intermettent: in this complaint the patient passes through the cold, the hot, & the Dweating stage, & is then for some time fee from disease, till another paroxyom commences. Now if inflammation were the cause of the five, this would remain as constantly present as the inflammation itself: at any rate, the disease should not be entirely removed by back & a generaus diet - means certainly calculated to exasperate a case depending on inflammatory action in the stomach & intestines. But dispution it is said gives unquestionable wednes of The existence of inflammation, Let us inquire Shat are the proofs on Shich this conclusion is grounded. By post mortion examinations there is frequently discovered a red I sufficed condition of the vessels of the stomach & interlines; I with many others, I was myself once inclined to aucht this appearance as an exidence of inflammation: but I am now convinced that suffusion of the muous membrano may exist without such a cause. I refer you to a paper in one of the numbers of the Ecletie Repertory, by Apllowby of London, in which it is stated by this physician, that having been induced to sur put that the common evidences of inflammation pure not well grounded, he instituted a set of experiments to ascutain the fact. He took for subjects men who had

been recently executed for cums, & of course had died in-Stantly without previous disease. In a large proportion of this cases he found the same red appearance in the Stomach as had been observed under other circumstances, I had grum wire to the supposition that the patients died of suffammation. The appriments of Br. Seeds are purchary intensting, & illustration of the views now given. He blid a number of animals to death; some suddenly; some gradwally; some from the artiries, a some from the views; & distrition gave appraiances resembling inflammation. Not only was the mucous membrano injected & red, but optensive serous effusions were also found. I refer you to his poper non the subject, published in one of the Conglish Towneds. In concert with Des Emlin & Gulhard, I tried the opperiments on two hogs shith were slaughtened; I the expercinents of Dr. Leeds were fully confirmed. In the Journal to shich I refund you, another very valuable forpor will be found, published as a letter from Dr. Davy of India to Dr. Mc gregon of great Baitain, estudated to Thow certain duftier opporames resembling inflommation, Shich are discoverable after death by dissection. By his observations & experiments we are taught that The blood periolates through died tissues, acting as a mordant, & presenting approximes that might be refer. ed to inflammation, & Shirt might durine he most experienced anatomists. At my request, Dr. Harlan repeated the expriments of Davy, & his statement proved to be true.

But when I refer to Browsais himself, & examine the statement of some dissections he has given; I observe that he has called that inflammation, Shich should be conordered as the woult of an opposite condition, I can plan very little retiance upon his conclusions. In a review of Browssais' work by Johnson of London, a case is extracted which terminated fatally after a orption of the most rigid starvotion had been pursued for more than 20 days. On dissection it was found that the whole alimentary canal was contracted so as to have its internal surfaces almost in contact. I throughout the intestines, the mucous membrane was dry & of a logwood colour, without any freal contents. Now this state of things, to far from ling an evidence of inflammation, I do sincerely believe to have originated from the rigid system of starvation that had been em. played . - So for will puroncion Moutical notions un away with the judgement.

We are told that there is another proof of inflammation afforded by dissection, viz. serous effections into the various cavities; as those of the beain, thorax, &t. Now I admit most freely, that in certain cases of morbeid action going on in these parts, during an attack of fever, we have considerable affection; &, in some instances, a general dropoy will occur, courtensive with the different cellular times of the body. But this, so for from being universally the result of excessive action, is often consequent upon debility. Let us take a patient petch fiver worm out by the continuance

or severity of the disease, I examine what is the state of the suptim: - all its process are laid loss, sensibility is lost, the as tion of the heart is manifested by a pulse barely perceptible, & we have the cold, clammy surface of death. If effection displays itself on the skin, as in the cold sweat preeding dissolution, may it not also take place, in the same state of extreme delicity, from the curous membrane living the various cavities? The about lents partaking of the general delicity are so for unable to perform their office as to remove the fluids that is exhaled from Then membeanes, & The consequence is an unnatural accumulation. I once justnessed a case illustration of the state ment: a lad by a fall from a garret window numed a violent concussion of the brain, of which he died in a few hours. When I was called to him, periving a facture & suffroring the symptoms might defind upon compression from offused blood, I took away by the trophine a portion of the shull. Here then was a fair opportunity for observation. A window, as it were, was made through the cranium, Shich permited a view of the operations which were going on within, Had there been wident excitement, I Should certainly have witnessed it: but there was no pul. Dation presptilele; his sistem never reacted, & in a short time he expired. On examination after death, serous offerion was found in the brain. In this instance it could not have been the result of excessive action - it was the last act of the dying vissels; I as the absorbents were too feele to perform him part, an accumulation necessarily resulted.

It is said that change of structure, an incluration or thickening of parts, is an evidence of previous inflammation. That
such changes may result from this cause I very well know.
but it by no means follows that they are universally to be
attributed to it. Because phile disease may exist in other
parts of the system besides the bloodwestels, the absorbents may
not peoplety perform functions. I the result may be, that
what the arteries deposit in the course of their healthy action
the lymphatics may be too feeled to remove; I inducation and
enlargement hence take place. The growth of steatomators
I other tumours of the like kind, is an exemplification of this
etatement. In these enlargement occurs without the existence of inflammatory action.

often results in free from the engagement of the vins in the internal & vital organs. The brain is inundated. The him, lungs, & words of the intestines, are distended with venous blood. & the System offersold beneath the burden sinks & The patient expires. This state of things is said to be proved whom distriction. But if a man passing along the street pour to receive the full force of a bloos from a falling brick, & instantly expire, what do you suppose would be exhibited by disortion? The large venous trunks would be enjoyed with blood. In a state of health there is a certain proportion between the quantity of blood in the arteries & veins; but during the art of expiring, the former records empty themselves into the latter

I here the appearance of remous congestion which has so often been considered the course, instead of the consequence, of death. The theory which attributes the alarming symp. toms we aften observe in the low state of fever to remous congistion, apprais to me to be a very limited & narrow view of the case. We should nother look to the nervous system as the come real of the mischief. When the beain & nerves become delilitated, & the usual suffery of nervous influence is not imparted to the bloodwessels, he heart acts with diminished vigous, & The blood, of course, accumulates butind it in the large menous trunks. If the supply be entirely cut off, the heart must cease to act, & death will result, not from congestion, but from nervous exhaution. Consider the effects which followed the division of the 8th pair of news in a horse, by the celebrated Duprytien. The most distursing symploins seen produced - his bushing was excessively distincted, violent efforts were made by the animal to expand his thorax, & thus compensate for The diminished power of the lungs; but all his efforts were unable to afford relief. The symptoms pecul on increasing, till the horn, in the utmost agony, expired, After death the blood was found to be of a early blackness.

In some of the low forms of fives, Shen the energy of the brain has been insufficient to furnish the due quantity of newous power to the lungs, I have been strongly remended of the above experiment.

We have further evidence that patients die from

imperfection of nervous power, without the bloodvessels being at all concerned in the event. In surgical operations the system sometimes receives so welent a shock that it never recovers, reads, In these cases death is not to be altributed to inflammation, a disorganization of a vital organ, but to that impression on the nervous system which prostrates the functions of life, a render the various organs incapable of performing the task assigned them.

Those brought forward their facts to show that med. ial men are too aft to regard only one side of the question; I to limit their views to congestion, inflummation, & condequent disorganization of the vital organs as a cause of death. when, in fact, this termination often takes place in disease without any thing more than a general sympathetic affectrou of the bloodvesoils. That in some cases of from there is strong local determination, I even inflammation, I am not disposed to doubt; it is only the universality of This occurrence that I call in question. I have indeed not impregnently seitnessed cases when local exciliment was strongly marked. I once attended one of the pupils of the Alm House, who was attached with from, altended with so much excitement in the brain as to amount to phrenitis. The inflammatory action was indeed unequivocal, and he was bled 100 ounces before he recovered. From this you may infor that I am not unwilling to employ the lancet When the state of things sums to demand it.

But to concine with Browssais that every frow is an

inflammation of the muous membrane of the stomach I intistimes, I to be breated by distition, or, at any rate, undu all circumstances, by the most rigid and pti logistic rigimen, restricted even to a solution of gum tragaconth or gum arabin, appears to me abound & preposterous in The extreme. One of the cases of this kind be ought forward by Browsours in illustration of his principles, which terminated fatally, was, in my opinion, as chor an in-Stance of death from absolute starvation as could be adduced. The politist had been sometime sick with from, but he recovered gradually, & was at length eistour to tolerable health. All at ones, however, he was again taken sich, & was put on the rigid diet prescribed by Porous dais. Things went on this way for some time, when it was found that the poor fellow, tormented with hungio, had procured some food from his commades & concealed It in his bid . The patient was in one of the French Hospitals.) He was now restricted still more confully how ever. But there was no amendment. I for 20 or 30 days he continued posting away, till at length he died, redund almost to a sheleton. On disortion The califun of his intestines pas found reduced almost to nothing. The muous coat was of a dark wid colour, indicating, according to Brownais, the privious existing of seven inflammation, but in my opinion, the effect of the starring plan of treatment shich had been pursued.

I sums to me that this rigid Dystim of diet is cal-

culated to defeat The very depict for which it is presented. Its authors appear to have forgotten that then are ab-Torbents which are constantly taking up the substance of The body I conveying it into the circulation, & which at with incurant energy whenever a moderate supply of lood is withheld. Surgions understand this perfectly. What is more common than to remove turnours through the agency of the absorbents? and what calls there more speedily into operation than los dit, purging, H. ? When, therefore, a pateent with from is deprived of amough food to supply the demands of nature, The body feeds whom itself; & is, of course, supfolied with that very kind of food, The antiance of which into The blandoes-Jels is so much duaded. Cellular membrano, fat, muscle, bond, & marrow, are indiscriminately absorbed by the hypothatis, & the circulation is outplied with animal food, & that too in a diseased, & no doubt. unsholesomo condition.

Of the Pulse.

The knowledge of the foulse is, by common consent, regarded as a truly important fourt of medical education. In Rush was in the practice of inculcating the newsoity of studying the pulse; I he used to say in his lectures, if were were he should next a tempte to medicine, he would inscribe over the door, Let no man enter here who does not under-

stand the pulse. An important question here arises, at Shish you may at first be startled; - may not too much reliance be placed on the pulse abstractedly considered? I intend in this lecture to offer proofs in the affirmation.

Before entering on the different varieties, I will make a fur remarks on feeling the pulse. For this purpose we generally siled the radial artery at the wrist, busine it is more accessible than any other. But it is night to under-Stand that the other arteries are capable of giving correct in dications as far as the pulse is concerned; & a knowledge of this circumstance is important, particularly as relates to children. These are frequently very averse to having their wrists felt, & on account of their restlessness it is sometimes impossible to form a correct judgement of the pulse from the radial artery. In some instances of this kind, we can sucaced very well by examining one of the tilial actives. In one instance where there was great objection on the part of The child to my touching his arm, I sunded without In is also a good Dituation for examining the pulse.

I will make another preliminary observation, relative to

The distribution of the arteries. You know very well the course of the radial artery in common cases. But there are not a few presons in show it deviates from the common direction by aunning round the radius, Instead of passing the foot of the bone, it makes a turn, in these instances, I want along the back of it. I myself have been decired in

Same. Sometimes the radial artery beforeates above he wrist; only a small branch taking the usual direction. I have sun cases in which it might be supposed that the puton was almost pulseless; yet by examining an aftery in some other orderation, I have found as fine, bounding a pulse as could be desired.

The pulse is very various in different individuals. In some it is very slow, naturally, in others, prequent & excessively initable. I have compared it to the multiparious operation of the human passions. How quick to anger do we find some prople, & how casily is their anger allayed! Carry this to the pulse: how often do we find this excited to violent action by the dightest causes, & how easily is it allayed by proper treatment! Others, on the contrary, are with difficulty round to anger; but their passions Bhen once excited are not easily Antedued. The same is the case with the pulse. Some constitutions endure to a most astonishing extent, the operation of injurious causes, without feeling the effects which we might naturally expect to pesult. In proof of this insusceptibility to be acted on by causes we should naturally suppose to be injurious, I refer you to a case of fractured by, of a waggoner, related in my surgrial lectures.

In some constitutions the pulse is excited very easily. The heetic pulse is sometimes induced by very slight conses. It is stated that Dr. Piteain had a very initately pulse. Disortion showed a slight degree of ossification in the heart, which was supposed to be the sole cause of this irritability in the artifal system.

In the Sand writings we are told that a doft word turneth away weath? Thus, in irritability of the artirus swalling treatment often answers better than the most co-prous evacuations. An irritable pulse may, o in some persons, be allayed by nutritions aliment. I know a person whose pulse is hisble to be thrown into great agitation, I to become very prequent; but may always be all layed by a hearty meal. I have myself made the observation; I have seen it become dow, full, a more not unal, as the system was devaled by mutitions food.

In some people there is a disposition to sink immediately & pilhout a struggle under affliction; others wise in proportion to their afflictions. We may apply this to the pulse, particularly in chronic diseases. How often does life remain in the heart & arteries, then death is in almost every other part? I will here give it as my ofisconstant efforts to reduce the pulse. In many observing constant efforts to reduce the pulse. In many observing as if the heart & arteries take on an initable condition thick is never to be reduced. I have heretofow, then theting of tephous fever, alluded to the approchala forder of Dr. Push, which is characterized by its smallness, frequency, & tension. I now repeat, that in some chronic diseases ing debility. I shall instance several cases illustrative of this opinion, when I come to heat of pulmonary consumption. I would have you make it an object of particular study to distinguish between initatility & inflammation. I have pum patients in helic five from out by neroous initation, who, at the same time, had a pulse that, in certain conditions of the system, would have authorized one to unsheath the lancet & bleed with freedom. How much mischif has been done in phthisis by a reliance on the pulse! How important, then, to be able to distinguish between initability & inflammation!

There are some pulses which, I am safe in saying, can never be reduced. I have compared the resistance of the heart & arteries, in some of these cases to the limfor of Meg Merrillies, the celebrated gipsy queen. Sho was a strong politician & a great advocato for Charles. The mot of Steeling, who were of the opposite party, saught poor Meg on one occasion, & determined to duck her into a change of politics. Having Diged her they threw her into a food of water, & pulling her out again, deman ded if the was still for charles. The continued obstinate, I they repeated the operation several times, till the sunk under it & died. Do long as the retained the power of utterance, whenever her head appround above the water, The constantly and out, "Charly yet, Charly yet." The same is the case with the heart & arteries: deplete as

much as you please, they will, in some instances, never give way till the patient his prostrate in death. I was called to an aged lady who was attached with an epileptic fit. Men I entered the room, I saw death in her countenance & gine eral condition, except her pulse shink was full & strong. I sat down by her bed side, & is something is always of pected to be done immediately in cases of extreme danger, I ordered sinapisms to be applied to her feet: but before They were procured the expired. Anothe lady, aged 72 years, died under my care. She delined very gradually for noeral months, & for a number of days before her death, ocare. by any thing passed her lips; I get her pulse possessed force Then the sperations of death were conspringers in every other part of the system. And the dying state instead of being marked with the cold, clammy skin, was attended by great apparent febrile heat. Shile she hipporatie countinance, I her aye was dimmed by that purliar concretion of fluids, which produces the philm on the come to often obsund in articulo mortis.

Soothing case measures in these cases will often do mow than all the evacuants that can be employed. The fact is, some presons have naturally a very tense press. I may venture to make the assertion, Shich your own exporience will in a few years confirm, that a natural pulse may sometimes be mistaken for a diseased one, I long continued afforts made, under this impression, to seden it. I advise you to be on your quard against such

a mistate. If you feel a strong tense pulse, & at the Same time, directing your inquiries into other circumstances of the case, find the health good without any other organs. tom of disease, you should conclude that the pulse may be natural. I will knew a respectable old lady who had a Julso of this discription. I have often felt it when the was in a state of perfect health, & have told her that ma. my physicians unauquainted with its natural character, would, without hisitation, advise her to be bled. I once had a patient in the Alms-House who had been belied profusely, & this to reduce a pulse which I had every nason to believe was not a diseased one. In 1821, my pubil, Chivalin, from Grougia, came to me after The beturn & requested one to feel his poulse. It was a most powerful one, dimilar to dynochers. He informed me that in order to reduce it, he had, by medical direction, been confined to the house for two months, dichet, bled ad delignum, took digetalis, ob. Or. All this failed, he was happily primitted to escape from heatment, & it was found to be his natural foulor!

The most experienced practitioners have been deaired in the action of the heart. Dr. Wister used to relate a very intensting anecdote which will go to prove this assistion. While a medical student at Edinburgh, he with a number of others, was performing some experiments on animals. Among them one dog was blid to death, Just before he died, a practitioner of the first respectability.

who was much in the habit of feeling the bulse, entered The room. They purposely conceiled from him what they had done, a requested him to lay his fingus on the arteour of the dog, & tell them whether it was otherine or ashenic action which was going on. Accustomed as he was to The pulse, he pronounced it to be otherwartion. This may at first surprise you; lent experience hereafter will inform you, that in some diseases of great debility as dysprepoia, He, The heart heart will palpitation with very great violence. We find the same thing in some cases of newous initation. I was acquainted with a medical gentleman, Dr. Anderson, who told me that so great was the irritability of his system, that even a drink of milk would broduce violent action in his heart & artiris. Persons in a reduced condition may arguin so much irritation of pulse, that practitioners if they followed the example of the Chinese physicians who judge by the pulse alone, would be led into the most egregious mistakes in peactice. Always remember that palfitation of the heart is sometimes met with in cases of extreme debility, & is frequently associated with danger.

Mhin treating of liphus fives, I mentioned the case of a gentleman affected with hamoptoins, Show other symptoms. more important than the pulse induced me to resort to the lancet. The pulse was weak, but the evidences of active himorrhage were strong the man had previously been in tolerable health except a cough; nor indeed was he even now

laid frostrate, but was able to walk about the room. His His countinance did not exhibit those apprarances of languar which accompany cases of great debility. The blood was florid & the hemorage was evidently active. Under these circumstances, without argand to the pulse, I would the lancet. I employed it, moreover, time after time, & found his strength adequate to sustain the depletion. The effects foroduced were lumipicial. I have observed this weak state of the pulse, in more than one instance of active hemorphage from the lungs. I am not, therefore, queded by the pulse alone, list consider the symptoms collectively & decide accordingly.

Inflammation of the leavels or frentomenn is sometimes attended with a state of poulor extremely deeptive to the young practitiones. In cases of this kind I am very much disposed to look for other symptoms, I to ground my practice on what I observe district from the foods. Among the symptoms of these complaints, Shich are animicalled in the books, no one is more important than qual tendences of the abdomen on presone. When we find a patient whose countenance is marked with an exfondation of qual distress; Then we find in the same forsom all the fain I uneasiness refund to the abdomen, a At the same time, discover qual tendences on the slightat presone over the fact. I am shongly inclined to surport a qual deal of internal mischief.

It is here proper to observe that tenderness of the abdomin

bowels in a lender condition. It is accasioned by the severe princh of the disease. This state of the bowels may be compared to the sounces felt in a smuscle, as, for instance, the deltoid, after a blow has been received whom the part. Port more of this when I come to speak of colic.

In some cases of ophalmia, it is not proper to consider the pulse as a guide. Inflammation of the eye may proceed to such an extent as to involve the organ in considerable danger before the pulor will sympathize with the local affection, Dr. Rush sho was often very happy in his Dimiles, used to tell us in his lectures, that the pulse, in many instances, refused to sympathize with an inflammatory affection of a small part for a considerable time. He said, Then The large vistels are inflamed, as those of the thorax, be, from their Digo & influence over the whole system, the pulse is affected directly. He compand Shem to the bells on the garments of the High Prist, during The Law, which, when one was touched, all ung the same tune. Thus with the great bloodversels, Then one is loughed all ung the time of inflammation: but Shen the small vissels are first affected, a long limic classes before the larger ones participale in the diseased action.

The proposition is certainly correct, & very important. But this is particularly the case in one species of ophalmia, in which we should be guided much more by the particular apopearance of the disease, than by the aoudition of the pulse. When I come to speak of opthal

mia, in my surgical lectures, I shall notice this affection more particularly. It is now oufficient to remark that unless prompt & powerful measures are amployed, the complaint will lerminate in sloughing & consequently, loss of right:

In 1818 I was called to see a respectable muse, in consultation with a very respectable physician of this city, who, however, does not pay any attention to prigny, & was not exactly awar of the nature of the ease. The fratient was labouring under the form of sphhalmia of which I have just spoken. Experienced as I had been in the discase, & knowing the great importance of evacuating measures, I was influenced in the proparation of the lanest much more by the appravance of the eyo, than by any information I could have derived from the pulse. The lanest was resorted to. I though one eye was lost, the practice subsequently presented reserved the other from a similar fate.

In fourtonitis lust little dependence should be placed upon the pulse. A lady of this city the wife of a French gentleman, was recommended to me by Dr. Monges sho was too unwell to attend her himself. On visiting her, I found her complaining of pain in the cavity of the abdomen, with great ustlessness & distress. On feeling her fords I found it possessed little force, though the other symptoms induced me to doubt relative to the propriety of trimulating measures. Aware that Dr. Monges was

well aware arguainted with her constitution, & know ing the importance of attending to this in all circum stanus, I called on the De. I stated to him the condition of the palient. He said that exprience in her case taught him, that without reference to the pulm there was a newsity for the lancet. I returned to the patient, dureted the loss of blood, I had the operation repeated several times. The blood was sizy, & relief was afforded. The information shick I obtained from the Dr. was of great importance. Therefore the case as inflammatory, I the recovered. Had I managed it as I would have done a case of prostate action, it is very probable that the patient would have died.

Diseases Abdominal Viscera. Cholera.

This is a disease common to all ages, but peculiarly dangerous in infancy. As it occurs in infants, it is called cholica infantum, & of this I shall treat in another lecture; at present I shall enter into a consideration of the disease as it generally affects adults.

Cholica consists in a vomiling & punging of bilious matter, attended with painful gripes & sparms in the bowels, & not unfrequently with severe sparms in the limbs & abdominal muscles. Patients in a state of putty good health, are sometimes suddenly attacked with severe romiting & punging: but I believe it frequently happens that, previous to the attack, so predishosition to the disease exists for some time, & that cholica is withered in for the personal of an offending cause.

The spasms attending cholina are sometimes to severe, that men of considerable firmness, when under their influence, will lose all command of their feelings, & vent them in complaints louds and distressing. When the disease proceeds to a more advanced stage, (& I can tell you, that this

stage, in some instances, is whered in the course of a very few hours, I you will be struck with the papied prostation of strength observable in the countinance of the patient, particularly the eyes. I have been the eyes, in a few hours, sunk in their sockets in a manner truly extraordinary. Along with this you will very commonly observe a strictulous voice. In fact, great exhaustion comes on, marked by a feeble pulse, cold, clammy sweats, and a very frequent & insatiable desire for cold drinks, which although so whemently craved, are almost invariably prinicious. This description, I believe, will be found to comprehend cholera in its common form, as it appears in adults.

When called to a patient in the Situation I have described, it is necessary for you to be thoroughly acquainted with the mode of practice, so that no time may be lost, for, in this this disease, as in some others which I have called your attention, the maxim forcibly applies, What thou doest, do quickly". In the very commencement of cholera, while the pain is severe, & the bilious discharges from the stormark indications, on which the practice is to be grounded, is fee dilution with mild drinks. Sydenham recommends a remedy which, at the present day, I believe to be entitled to great consideration; I estern it an excellent remedy in cholera, I it is nothing more now

less than chicken water. Tissault, who treats very well of cholia, tells us that the disease is to be cured by draughts, by deluges of the most mitigating drinks. My universal practice, in all eases of cholia, is to obtain chicken water as doon as possible, even if I should be called in the night. The chicken should be cut in pieces, the bones mashed, & a gallon of warm water pound on it & boiled for a time. A little salt may be added to render it more palatable. Of this the patient should drink most copiously. No matter if it be returned from the stomach; you should give it still, & completely wash out that viseus. I believe the chicken water to be one of the most agreeable & one of the safest articles that can be employed. In addition, & alternated with this remedy, I give some hert tea, particularly that made from peppermint. These two are my quat remedus for dilution.

But in those cases where the pain & vomiting become very distrissing, our object should be, as speedily as possible to relieve the severe spasse to which our attention is called. External application may, in many instances, be interposed, with the most extraordinary benefit. Sinopisms to the extremities may be applied with very quat advantage. But the specied plaster to which I have before called your attention, (see p.) is particularly useful in cholera. I have employed it in many instances,

I can speak of the benefit to be derived from it with perfect confidence. But previously to the application of this plaster, I generally employ another remedy which is always readily procured; I allude to the in-Jusion of pepper with hot brandy. Out of this flannels should be wring as dry as possible, & appliedo, as hat as they can be borno, over the stomach & bowels of the patient. I would prefer a price of blanket folded up, as it utains the heat longer than a piece of thin flaund. It is of great consequence that the heat should be retained for a long time; for if the flannel should be allowed to become cool, it might do more harm than good. As soon as the spired plaster is prepared, the flannels may be umoved, & the plaster outestituted. Formentations of the kind described, tind very qualty to relieve the pain, & to alley The initability of the stomach, But if this plan Should be insufficient to afford relief, some other remedy must be assorted to, I it is a general practice to have recourse to opium. In some instances the spasms are so violent, that a practice of this nature is absolutely necessary. Here 30 drops of landamum may be given, Lif then should not produce the desind effect, the dose may be repeated till 90 drops have been taken. This practice, however, is advisable only in violent cases. Dr. Wistan was opposed to the use of opium, if any other plan could possibly be depleasant effects which he presumed sometimes posselt from the was of this article. Acting on the belief that the disease requires free dilution for its cure; that the bilious evacuations are an effort of nature for her own pelief, & that any medicines which would paralyse the secreting for or, & lack up the bile in the pystem, must prove injusions, he very generally resorted to spired brandy where other practitioners employed landamen. His practice was to give the spired brandy, in done of a tea spoonful, frequently repeated, till the spann was dominished or overcome. In cases of a milder character I have succeeded very well with an article of this kind:

Jake Salt of Tarlar, 3; Landamin, dps Lxxx Mint trater, 3iv

Some sugar may be mixed with it or not, according to the taste of the patient. The dose is a table spoonful repeated every how, or if the case be violent, every half how, till relief is procured. If one or two doses such in allaying the pain, you may extend the period of administering the next dose, till a renewal of calls for it. Afterwards you may administer it pro re nata.

Here it is proper to remark, that the Spasms in the bowals which are observed in cholera, & which form so strihing a symptom in the disease, have, by some practitioners been referred to inflammation as their cause. Now

here, I believe, that incorrect theory hads to dangerous practice. As for myself, I think I can say, without any disposition to boast, that I have rarely ever seen the disease in any other than a managrable form: I would except persons worn out by previous disease. In such cases I have seen cholera widently hastin the falal issue; & the venerable uncle of my wife, who lately died, is an example of this kind. But I speak of it as an idiopathic disease, ourning, as it often does, in persons of lolerably vigorous health: I in such instances I have found it a manageable disease. I think I can say that I never saw a case of cholera which required the land. My reasons for objecting to its use, in cases of this kind, are the following: In the first place, I do not believe that any inflammation exists. I believe that if we were always to associate pain I inflammation, we should possitiones make great mistakes. For certainly, acute pain may exist in a part without inflammation of that part. The disease is altended with most profuse bilious avacuations from the stomach and bowds. There evacuations in a few hours exhaust, even a strong person, to a very quat degree, & produce extreme prostration. When, therefore, life is running out at every pore, & the physician is called upon to support the little remnant of strength, why should he let his theory of inflammation come in I aid in letting it out still faster by the abstraction of blood? If this were a disease of inflammation, I feel confident that the practice which I have

preceptor who followed it with great success, would have proved highly injurious instead of beneficial. In enteritis special brandy would certainly aggravate every symptom: but in sholina, though in many instances accompanied with dangerous & alarming symptoms, these will generally give way to the course of practice proposed.

As the disease advances the delility & exhaustion are externo, & you will generally be under the necessity of most assiduously watching the patient, & of introducing something plinnelant & nutrition into the system. While this plan is pursued external initation is at the same time, peculiarly proper. Sinapisms & blisters may be interport with great advantage, & stimulating frictions are very well suited to some cases of low cholera.

But there is one point to which I must call your attention: I have stated that in this disease the patient generally tabours under insatiable thirst & almost always has a disire for cold drinks. You have all heard me say, that in some cases of fever, great benefit is derived from the use of cold drinks; & it often happens that the language of nature ought to be attended to, as her voice is predicated upon reason; but the language of nature is predicated upon reason; but the language of nature is not always time - pometimes, like a child distitute of judgement, she obeys the calls of inclination rather has the suggestions of reason. Hence, cold drinks in choice are thought craved by the patient; but if token in large

quantities they are injurious. The stomach & intestines are in a state of spasm which is rather increased than diminished by the use of cold water. Topid drinks are greatly to be preferred. I believe that the thirst must be referred to the same course in cholera as in certain states of fewer. I told you that in fevers thirst depends on two oppor site states of the system :- in some cases it is accompamid with a dry & hot skin, a quick & febrile pulse, &.; I under these circumstances it may be gratified with advantage. But in cases of extreme prostration with a cold skin & extremely feeble pulse, the insatiable thirst which sometimes occurs is not to be relieved by drinks, & is found to diminish exactly as the system is raised by The judicious use of stimulants. This, I can venture to assert, is exactly the case in cholina.

Sometimes, in the bilious vomiting of cholica, small quantities of Seltzer-water, or soda-water may be taken with advantage. The saline draught in the state of efferorscenced is suited to some of these conditions of the stomach; so also are the seidlity powders; climo-water is likewise a useful remedy. But I wish forcibly to impuss on your sminds the propriety of copious dilution in the commencement of the case. If cholica is prematurely arested by the free use of opicion when the fain & spasms are violent, you may calculate that more fewer will subsequently arise, than if the bilious evacuations were permitted to go on. But it occasionally hoppens in practice

That we are found to make a choice between difficulties, I to take the lesser evil. In some of the extreme cases of cholera, the lesser evil is to allow pain & sparm by opium & external applications. Even if fever does come on, it may be combatted by the proper remedies, a is much to be preferred to that violent putting & purging which theet. on a speedy extinction of life.

After the first symptoms are arrested, it is necessary, for some days, to treat the case with a good deal of card. Bilions accumulations in the alimentary canal should be prevented, &, at the same time, you should guard against producing debility of the stomach & bowels. Hence, in the progress of the cure, whileart may be employed with advan. tago. In some cases, the spied sipul may be administered. in others, the article in pubstance, when alone or combined with small quantities of magnesia. It the same time that you kup who slight evacuations from the bowds, you should amploy some vegetable tonic, particularly column bo. A tea may be made of this root combined with gingir, & given in small doses frequently repeated through The day. The diet should be plain & mutitions, & all oapid aliment should be avoided. The plan of treatment which I have detailed is adapted to cholera in its common form. The disease may be variously modified, & hence, require a diversity of treatment. There may be cases in which the interposition of evacuants would be unful; & her calomet comes in very advantageously.

There is one more remedy to which I wish to call your attention - a remedy which I have seen pre scribed with great advantage in a case that very much resembled cholia: it was a case of extreme prostration, with cold, clammy sweats & a feeble pulse, I he usual stimulants failed to excite the system. Dr. Physick was called in consultation, & finding that the ordinary stimulants had been used to no purpose, proposed the spirits of turpentine: This was given in doses of 15 drops, frequently repeated, & succeeded most hapily in exciting the system. Warmth was restoud to the skin, action to the pulse, & the patient recovered. I have no doubt that the spirits of temperation, in some prostrated cases of cholera, may be used with great benefit, especially when the spined brandy has failed to produce the desired

It is of great importance in the treatment of ourmen diseases, to be able to distinguish one from another. For, however we may be told that disease is a unit, get I must confess that I am no friend to generalizing in practice. In order to illustrate my meaning, I will mention an instance which was related to me by Dr. Mistar. I have heard him Day that one of the most important consultations he ever attended in all his life, was on an oreation in which he believed the life of an arriable woman was in danger, & when a few words from himself to the attending physician, were probably the cause of preventing a fatal termination to the case. The lady by severe cholera was reduced to the most alarming condition. A young practitioner was in attendance, who considered the disease a case of dysentry. He was treating it on the evacuant plan, & employed castor oil in frequent dons. When Dr. Wistar saw the case, & examined into it, he retired into another room with the physician, & all he had to say to set every thing right, was, "The disease is cholera, not dysentry." At once the plan of practice was changed, & the lady recovered. It was his opinion that a persistence, for a short time, in the plan which was there in operation, would have sairfued a valuable life.

Before closing the lecture, I with for a few minutes, to direct your attention to cholera as a prophylactic. Serhaps you may be ready to smile at the term, I to enquiro how a disease of so danguous a character should be instituted as a preventive of other diseases. But such is the fact: in the summer season there is a very strong tendency in the system to bilious accumulation, &, as a consequence, to febrilo action. Hence, fevers in summer & autumn are frequent & dangerous. Now, I believe that cholera is nothing more than a salutary effort of nature to avent the impending wil. When five has set in, what do we do to arrest it! we bring on an artificial cholica; we give ametris & calharties to unload the Dystern & clear out the alimentary canal. Na. two does the same thing in cholica: The only differderly. Nature is a rough doctor; I sometimes in endeavouring to avert an impending evil, the causes a greater. Hence, we should always, as far as possible, huch her intentions in view, asnit his, when proper, by mild means, I watch the time when it may be advisable to arest her in the violence of her operations.

Cholera Infantum.

I shall now pass on to consider the disease which has received the name of cholera infantum. I shall simply difine it to consist in the vomiting & purging of infants-it is commonly called the summer complaint of children.

Among the principle causes of this disease, so often fatal to one infant population, I shall place extreme head in crowded situations. This, in fact, is the chief cause ofs cholica infantum. Inregularities in diet, no doubt, contribute to the production of the disease, & place the system in a stale to be more severely affected by it after it has commerced its attack. I am not award that cholica is more prevalent in the latter than in the early part of summer, provided that the degree of heat is the same: whether it shall accur in the 6th or 8th month defends entirely on the temperature of these two periods. The summer of the year 1806 was remarkably healthy, & there was scarrely any disease, even in the 8th mo. It was an unusually cool & pleasant nason; & it was to this cause that I attributed our exempSo summer a few hot days will produce many cases of the complaint; while, on the contrary, a few cool days will as soon arest its progress.

The cholera of adults, I have told you, if properly treated, is, in this country, rarely fatal. When, however, the patient is worn down by previous disease, & his constitulion much enfeelled, the complaint sometimes proves very sirious: but in general it is easily managed. To children, however, cholera is a very falal disease. you may be ready to enquir, What is the cour of this? I am ower, - on the tender infant heat has a much more powerful effect, Than on the adult who has for years bun exposed to its influence. Let any one take a walk in hot weather through the dirty lanes & alleys of Philadelphia; he will witness many instances of little children recliming their heads, as if exhausted, on the necks of their moth. ors, with a palled countinance, a cool & clammy skin, a shrunk neck, & other signs of debility, arising from their confinement during the night, in close & hot apartments. Another cause has quat influence in rendering cholera so fatal in its effects: I allude to the initation of dentition. In fact, diarrhad often supervenes on destition, & is sometimes necessary to save the little sufferers from death by convulsions. Mothers & experienced nurses are well aware of this fact. But when dentition is superadded to cholia, in hot a crowded plans, a fatal issue is often to be

feared. It is frequently from this cause that our attempts to cur cholica in confined situations provi abortivo. I have often compared our endeavours to cure the discase, under then circumstances, to an attempt to remove inflammation in a part, while a thorn is slicking in it: we may resort to leeches, apply formentations, poultices, H., but as long as the thorn remains, the irritation will be heft up. Trecisely the same reasoning applies to the case of the tender infant: while affected with cholera, if it contimus exposed to the causes which produced the complaint, there can be little chance of giving effectual aid. Some die in a very fine days with this disease, & convulsions are not an infrequent occurrence at the close; others continue for weeks, gradually wearing away, till at last they die of exhaustion. Just before death, it is not unusual to see the eye suffused with red blood, usumbling, in some pespect, the appearance of inflam. mation. This is occasioned by a relaxation of the wessels, which allows red blood to pass into branches, that in a healthy condition, only transmitted a colourless

Having given this outline of a disease, so fatal to an intensting part of the community, I now propose to give an account of the treatment which I consider appropriate. And here I might open the subject with an expression of a very respectable practitioner, the venerable Samuel P. Griffitts, whose experience has been extensive.

One day, in the early part of my practice, I enquired of the Doctor what could be done to cure the summer complaint of children. He replied: Lance thin gums & send them out of town? This I consider excellent adverse. But we often meet with cases, where from poverty or some other cause, it cannot be carried into of feet; & Therefore, I must endeavour to give you an account of the treatment which I deem most advant

tagrous.

When you are called to see a child much reduced, with a cool & clammy skin, a shrunk nich, H., auompanied with constant vomiting & purging, - what is to be done? I generally commence with the chicken water. But the plan of delution cannot be carried so far in infants as in adults: They do not comprehend the newssity of the treatment, &, thereford, count be made to cooperate with the physician. I have often found quat advantage from the use of small quantities of Seltyw or soda water, frequently repeated. This remedy is refushing & grateful to the Stomach, & often allays the inilability of the stomach. I am in the habit of directing it to be put up in half owner vials, one of which may be taken at a draught. In this way it is preserved fish, which cannot be effected on any other plan. The todain powders will answer very well in country situations, where the minual water connot be obtained. The best method of preparing them is to dissolve a papor of the alkali & acid espectively, in different & equal portions of water, & then to mingle a dessert spoonful of each polition, whenever the remedy is to be administred. Sometimes, however, the stomach rejects every thing which can be introduced into it; & in such cases, it is necessary to resort to external applications. These often produce very striking effects. The spired plaster is an excellent remedy in cholera infantum: but as used in infants it is prepared somewhat differently from that which I mentioned to your Pemploy for adults. (See) In infants the pipper may be left out, or

This now proper to produce some change in the secretions of the alimentary canal. For this purpose There found the signif of whileart an excellent remedy. The don to a child 8 or 9 months old is a tea spoonful every two hours, till it changes the colour of the evacuations. Sometimes small doses of calomel may be given with advantage; one sith of a grain every half how or how, is The proper dose, & may be repeated several times. I have not had much experience with this remedy in Cholera infantim. It has been highly recommended by Dr. Ayro in his work on marasmus. But the practwo is not original with him : Dr. Millar of N. Y. having long before recommended the same plan. In many cases I have found the shubarb sufficient to effect the end disind.

After the operation of the rhubarb, or small dones of calomal, I have been disposed to restrain the evacuations by a mild julap, calculated to remove acidity, at the same time that it meets the other indication. It is the following:

Jake Salt of Jarlas

The done is a tea spoonful, to be taken every 2 or 3 hours. If something more astringent is wanted, the cretaceous mixture will answer very well.

Jake Prepard Chalk, 3;55
Landamen, drops VI

Gum Arabir,
Loaf Sugar, à à 3;
Ginnamon water 3;55

The dose is a tea spoonful every 1, 2, or 3 hours, according to the urgency of the symptoms. But great care should be taken to avoid arresting the evacuations from the bowds too speedily. In this complaint, I have found that the spirid openful of wheeland comes in very well, when you are in want of something calculated gently to evacuate the bowels, while it haves a slight astringent effect behind it.

The feet & has are often cold & clammy, & it is necessary that the child should wear woollen stockings. Attention to the warmth of the extremities is essential in this complaint.

But at the same time that we keep up action in the extrimities, it is of the utmost importance that the chito should have the benefit of cool air. In addition to this, knowing the influence which dentition has in perpetuating disorders of the Stomach & bowels, it is obvious that the initation, as for as his in our power, should be removed. With this view, it is of great importance to land the gums if they be swollen. Even if there should not be much swelling, it is but to land them, as there can be no possible danger from the operation. Some physicians however, think the operation improper before the gums are considerably quollen & inflamed: but I am in the practice of lancing them feely before they have attained this state, & Thus prevent much suffering to the child. No possible harm can result from the practice. The objection often unged by mothers & nurses, & countinanced I fear by some practitioners, that after the wound has healed the tooth will find greater difficulty in passing through the cicatif, than it would throw the sound gum, is entirely frivolous & founded on incorrect views. You all know that new found parts possess less vitality than original structure; & in consequence, they are much more liable to ulwate & be absorbed. Hence, the cicatrix, so for from affording an obstacle to the passage of the tooth, is, in fact, favornable to it.

There is another circumstance to which I wish particularly to call your attention. When dentition is connected with cholera, after you have land the gums, I would advise you to apply blisters behind the ears. This is a practice which I

cannot too strongly recommend. I was led to it by observa tions on young children during the progress of dentition. At this period nothing is more common than to find uluration behind the ears. Young practitioners & young mothers are aft to be uneary at these unsightly sous, I to attempt to remove thom. I tried this plan in my younger days, but experience induced me to abandon it. I have known the healing of these ulcus to produce unpleasant affections, which have been removed by restoring the sores: hence, applications made with a view to head them are injudicious. On the contrary, when they are absent, it is proper to imitate nature by applying blisters to these parts. After the blisters have drawn, the parts should be dressed by some stimulating ointment with the view of keeping up the irritation. I will wenter to assent that you will be surprised to sed the good effects resulting from blisters when fairly brought into operation. They concentrate the irritation in the skin, & of course, lessen that of the gums, which is production of such unpleasant consequences in cholera. In recent & low cases of cholera blisters may also be applied to the wrists with advantage.

Attention should be paid to the diet of the child. As the system is prequently smuch reduced, it becomes necessary to support it with nowishing food. For this purpose animal soups, as beef too, issues of beef, or., should be given in small quantities, & be frequently repeated. Weak milk punch is sometimes very useful. Dr. Wister used frequently to recommend this article: but quart core should be taken but the use of

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it should become habitual. Dr. Wistor ones had a child under his care with this complaint, & advised the use of milks punch. The hatient recovered, & he ceased his altendance. Sometime afterward, being in the neighbourhood, he inquired into the situation of the child, & was informed that the punch was still continued! When told of the quantity the child was in the practice of taking, he was really alarmed; so much had habit rendered him able to bear. Fortunately, however, he succeeded in breaking the habit, before it had become too much confirmed.

After the mow early symptoms of cholica have subsided, I frequently direct an infusion of back & cinnamon in lime water, in the following proportions:

It should be suffered to stand a little while, & then decanted. A dessert spoonful may be taken several times a day. Port wine in small quantities is sometimes unful. The infusion of the develowing has been highly recommended by Dr. Chapman; but I cannot say much of it from my own experience.

You will remember that all these remarks apply to patients who cannot be removed into the country: but if this is practicable, it should always be recommended. I would those who cannot take their children out of town, to allow them as much air as possible. Frequently when in the

Dispensory have I directed the mother to go to the centra-Squar, or to the state-House yard, taking with her her child & has work, & to remain there all the day in the shade of the trees i if they lived near the Delaware, I told them to cross the pives, & remain all day with their children in the woods. In this way, I have no doubt, several lives have been saved. Happily, there now exists an establishment rear this city, where mothers are allowed to take their sick children from their crowded & felthy situations, & have them properly attended to. Since this Institution was founded, the mostality of cholera infantum has, in the city of Philadelphia, greatly abated.

To the officery of the country air in this disease, I can bear testimony in the case of my own children. One of them was thought to be as for Spent as it was possible to be without dying. Some of our friends thought he was so low, that to take him out of town would be an act of rashness. But I thought it of little consequence whether he did at home or in the country. The weather was very fully; I found him as we passed along in the boat, & it was with difficulty that we could keep life in him. We arrived at his lyand father's, near Burlington, about noon; & in the evening, while sitting under the prayyo, the little fellow lying on his mother's lap, commenced paddling or playing with his hands, as he was accustomed to do when in health; & from this time he gradually recovered.

Cholera not unfuguently assumes a chronic form. The

patient escapes the danger of the first attack, but passes on into a state of extremo emaciation & debility. In this situation the little sufferer continues for weeks, & is finally trelived by death. With regard to this state of the disease, there are some striking facts which posove the advantage of indulging the child with that hind of food which nature impuls it to disino. Very generally some hind of salt food is preferred. Dr. Wistan used to relate the case of a child who was brought into the parlow while the family were at disno. It was extremely weak & seemed to be in the very last stage of chotics. It showed a very strong disposition for some ham which was on the table. The black shin covering the ham was the part which it seemed partieslarly to disire. It was gratified; a it did not discontinue suching the piece till it had deprived it of all its multitions quies. From this time it began to acrover, & ultimately got well.

Then was another instance of a child under similar circirmstances, which seemed very anxious to eat some butter that was on the table. This child was also indulged, & it continued to devour the butter, lump after benefit till it had made way with the whole. From this time it was allowed as much butter as it desired, I under this plan it recovered.

I have heard fanother well authenticated instance, where a child was reduced to the lowest-abb of cholera. In this state it showed a strong disposition for raw herring, which was grange ted to it. It was benefitted by the diet, a was afterwards. plentifully supplied. So fond was it of the herring that it

always cried for mow whenever its stock was exhausted, I was never satisfied without having one in its possession, which it heft pussed to its boson.

Dr. Mistar was so convinced part of the importance of this practice, that he used to tempt his little patients with small plies of haw. Some would eat it. others sumed to have no desire for this kind of food. In the latter case he did not press it on them. I have often prescribed the essence of ham in these protracted cases of cholisa. I direct the juice to be bottled up, to preserve it from becoming rancid, & to be used as occasion requires. Sometimes, in these little creatures the appetite is most voracious: This is by no means a pleasant symptom.

In the progress of cholina an apthous state of the mouth often occurs, indicating a similar condition of the alimentary canal. This I regard as an unfavourable symptom: though one of the worst cases 9 ever saw with this affection, ultimately got well. Nothing seemed to do it so much good as a gargle of lime water & back.

In some probabled cases of cholera, Dr. Epifitts is in the habit of giving scalded lemonade to the child; & in some instances with a very happy effect. He derived the practice from an old woman. Early in the disease we use absorbents: but in the last stage, the juice of the lemon often proves soothing to the patient, a useful in arresting the disease. It is also calculated to excite an

apposite, I have contributes towards strengthening the system. The back jacket is occasionally employed. Warmth should always be preserved on the surface, I for this purpose flammel next to the skin is important. At the same time the child must have the benefit of Just air. But after all, the country air, to strongly recommended by Dr. Rush, will do more than the whole of the other remedies together. I will produce the desired effect, when all the rest have failed.

Effect, when all the rest have failed.

There you may say that you have heard nothing of bleeding. I do not believe that cholera is a disease of inflammation. Who two disposition of this kind may exist previous to the attack is removed by the copious alvine evacuations. Nature takes the lancet into he own hand I depletes from the exhalint vessels, quite sufficiently in most cases, I often too much. It may, however, be proper to take a little blood in some instances, when the disease is accompanied with difficult dentition: but even here great contion is necessary. In thon some cases in which you find a cool thin, shrunk neck, quat prostation, It., the lancet would certainty do more harm than good.

Before closing the lecture, I will make a few remarks on another part of the subject. Precaution is always better than our . Heat & a crowded population are the principal cours of choleia. But how shall we remedy the heat? One of the most important points is to keep the windows

open at night. This recommendation would startle some medical men. What! Will the children by sudden draughts of cold night air? - That rather see them die from this court than from its seclusion. I have seen quat advantage result from this practice. Compare two children treated in opposite modes: first look at the child of a parent who has a great dread of night air; most probably he is placed on a feather bed with this parents on each side, & almost smothered with the bedclothes; perhaps Iweral other children are in the room, & the windows and the doors are shut. But look at him in the morning; you will find him limber as a rag, all his animation gond, without appetite, & just on the vergo of an attack of cholina. Now look at one differently managed. Instead of a frather bed, he is put upon a matters & by himsely; the windows & the doors are opened; plenty of fresh air, that pabulum vila, without which life cannot be sustained, is alloved him; & in the morning instead of exhibiting the sickly aspect of the other, he presents quite a different appearance. When I see the dread which some people wines of cool air & cold water, it would seem as if they were considered the most distructive poison, instead of being actually necessary to existence. They are, in fact, prophylactics very necessary to infants, & well calculated to ward off an attack of cholico. The cold bath as a preventive of disease I consider very beneficial.

Poisons Taken into the Stemach.

The importance of the stomach in the animal economy I pusume is familiar to you all. I am now about to take notice of some of its acute affections. In my surgical lectures, I stated to you the danger which results from sudden violence to this organ, I mentioned that I had known instant death produced by a blow on the stomach of an apprentice lad, given by a fellow apprentice. I also noticed the case of a gentleman who from what I believe to have been oparm of the stomach, died in an instant. I shall now proceed to consider those morbid impressions made on the stomach by possonous substances.

Effects of Arsenic.

Among the poisons which distroy life arsenic holds the most conspicuous plan. The effects of a large dose of this article you can easily anticipate. By its conoding prosent it must cutainly produce speedy dissolution. To illustrate its effects, I will read to you a ease.

the principal clarks in a store in Market Street, who had swallowed three owners of arseniv about half an how before I saw him. He possitively refused to have any thing

done for his whif, I worked most violently when any attempts were made to force him to swallow. I attempted to wash out his stomach, but in vain. At last I told him if he would take what I should direct, it would make him die easier. This succeeded; & he drank off, at different times, at least two quarts of the albumen of eggs, I we got down some ipecauanha: but the business was unalterably fixed - he did while I was with him. Drs. Matthiew & Monges, two very aespectable French physicians, were also present. He must have suffered extremo agony. He made frequent efforts to vomit; his countinance was of a dark purple colour; he complained of being cold, & several times requested to be covered up warm. I suppose about one hour & a half elapsed from the time he swallowed the poison till

In the afternoon, in the presence of the coroner & his inquest, also the two physicians already mentioned, I spend the body & took out the ptomach. Every part of the villous coat was as completely cautivized, as if a red hot iron had seared it in every part. The intestines were just beginning to be highly inflamed. but the stomach was at once disorganized.

I wish herd to make a few remarks relative to the improper or coulers use of arrenic for the distriction of vermin - a practice which has in some instances been productive of serious consequences. A family in this city, some time ago, after eating

their dinner, were all, at least those of them who had partaken of a certain dish, affected with vorniting & disturs of stornach. Happily the affection was slight, & they all recovered. In this instance there was every reason to believe that the disease aron from the following cause: The family had retired to the country on account of the yellow fewer which was then in the city; but previous to their going out, some area mich was spread about, & a plate of salt was suffered to remain uncovered on the dresser. The cook had reasoned the dish before alluded to with this salt, & them was every reason to believe that the rate in passing to & feo in the apartment, had frequently seen over the salt & thus mixed with it the arrenick in which they had been treading.

In a family attended by Dr. Griffitts, I once sow several affected with vomiting at the same time; I in this case the sikness was supposed to have resulted from some eats having played in a bornel of flour which had been left uncovered.

If few years ago a very intenting occurrence of a himilar nature took place in this city. A family, consisting
of a number of persons, after partaking of their usual meal,
were every one affected with vomiting, & some were extremeby ill. The family physician, Dr. Neill, called me in consultation, & I soon saw them. Our youth was more violently affected than the rest. On the preceding day he
partook, with the family, of the food on the table, & was dight.
by affected; but not so as to prevent him from sating

breakfast on the following morning; & he was the only one of the family that did so. He thus took a double done of the deadly poison, & the quantity was so large that the effects were fatal. Then cases excited a quat deal of alarm; & it was reported that the yellow five had made its appearance in the house. Some of the friends of the patients stepped in, in order to reside them assistance; & although they thought considerable case was taken, yet after a meal, they were taken ill. Possibly, however, this might have been the effect of imagination.

A legal examination as to the cours of death was in-Stituted, & the medical attendants were called in for their testimony. I opened the body in the presence of the coronie. I his jury, & found the stomach viry red, & presenting such an appearance as we find in malignant fever: But from The preceding symptoms we had no doubt that he had come to his death in consequence of some morbid impression made on the stomach; I we supposed that arrive had made that inspression. Unhapily for a poor girl in the house, the master of the family was possessed of a mind of a very premier structure. Instead of being disposed to refer the whole to accident, he was obstinately under the impression that it was the result of design, & that some one had attempted to poison the family. In giving way to then impressions, he could find no one on whom to fix ouspicion, but a sewant woman in the house, who had a child in the family. He inquired into her character & found that

it was not a good one. This confirmed his suspicions, & he laid them open before the coroner's inquist. The coroner's jury was fully impressed with the suspicions of the master of the house, who was joined in them by his mother-in-law. This case will show you how important it is that the physician should kup his mind free from prijudie, especially on our sions where the life of a human being may depend on his testimony. After hearing the allegations made before the juny, Dr. Neill & myself, on our solemn qualifications, depond as to the illness of the family, & among the just, of the woman & her child. But such was The disposition on the part of the man to find her guilty, that our judgements were called in question, & it was suggested that she had frigned illness & decived us. Hearing this, a thought suddenly flashed through my mind, which I related to the juny. I had observed that every one of the potients, affected with this com plaint had a white fund tonger. I proposed that The members of the family, & the girl among the rest, should be brought before the jury, I undergo on examination on this point. The corone & Lung were struck with the propriety of the proposition, & a display of tongues was accordingly made before them. The girl's was found to be as white, if not whiter, & more furred than any of the ast. This oungle fact was oufficient to influence the mind of the juny, & the was acquitted of the charge.

But the unhappy man, still purning his object with the eagerness of death itself, on his own responsibility, went before a magistrato & made such a declaration without it was thought right to have the girl artist & thrown into prison. Here she was confined ownal months, & when brought before the grand jury was discharged on a verdit of ignoramus.

Effects of Landamum.

It often happens that landanum is given by mistake in such dons as to produce fatal consiguenen. This usually occurs among children. It is generally supposed by the vulgar that landamen becomes weak in proportion to its ago; & I blush to say that I have met with two medical men, in the course of my practice, who were of the some opinion. you must all be aware, on a little uflection, That landar num, by the evaporation of the alsohol, is liable to become turbed, if long hept in a loosely stopped bottle. A portion of the opium is thus deposited, which was before held in solution, & consequently the mixture which remains must be a good deal stronger than The original landamen. Hence, the danger of giving old landamum to tender infants. I was one called to a very young infant, labouring under the clearly marked symptoms of an over dose of landamum. On enquiring how much had been given, he moththe correctness of her memory; but she insisted on what she had mentioned. Happily, I arrived in time to reserve the child. After its recovery, pressing my inquiries, I went to the apothecary's white the medicine had been procured, & found that the lauda mem had been pound off from the bottle in Shich it had been pound off from the bottle in Shich it had been originally made. This was very improved dent, & say in the life of the child.

I have sun two cases in which death resulted from giving an overdose of landamen to infants of a tender ago. Achild was affected with catarrhab disease, for which its pounts thought proper to give It landamum. They had a bottle in which some of this article had been standing for a long time; & thinking that medicines lost their strength by keeping, they shook who the contents of the bestle, & gove what they concluded would be a proper doso. The child died in consequence. In the other case a night bown gow the child what the thought a safe doso. but it to happened that it proved fatat to the tender infant. I mention these facts, because I consider Them of extreme importance in a practical point of view. So strongly am I impressed with this conviction, that there is not a family in the city, Shith 9 am in the habit of attending, to the members of which I have not explained my ones on the subject.

Dome undical men are not aware of the importance of caution on this point. I once met a practitioner in the country, in consultation; & it was concluded to give a dose of landanum. I asked him whether his landamin was fresh, & told him my experience with regard to it. He answered me very politily; but I perceived that he could hardly refrain from laughing at my timidity. I requested him to allow me to examine the bottle which he carried about him. I shook it & found a considerable portion of opium had been deposited. I pointed out to him and single flake which was floating in the liquid, & which, if given with a single drop to a very young child, would, in all probability, distroy it. Opium in the form of landanum is frequently usorted to with a view to suicide. I will mention some of the most prominent symptoms produced by an over dose of this article. When you reallest The sympathy which exists between the Stomach & brain, you may wadily conceive that an inordinate dose of opium must exert a powerful influence on The functions of this organ. Hence, in a short time after taking the landonum, in half on hour or an how, according to circumstances, the patient begins to feel its influence very sensibly; & if the dose has been large, striper comes on. Along with This you very generally find statorous breathing, &

another symptom of apopleyy- the slow, full & labound pulso. Besides these, there is a livid colour of the countinance which does not always occur in apopleyy; but is an almost invariable consequence of an over dose of landamum. So much is this the caso, that I have been led to a knowledge of the cause of the complaint by this appearance accompanied with stupor, in cases when there was no reason to oup pose that the patient could have attempted suicide. I think I have, in some instances, been struck with a pupil morbidly contracted. There, then, may be regarded as the prominent symptoms; & you will readily percion that they very much resemble those of apopleyy, with the exception of the lived countenance. I was, not many years ago, called in consultation with a very aspectable practitioned, to see a young lady who, in his apprehension, was very singularly of feeted. It was early in the morning when I saw has. She had profound como, stortorous buthing, & a livid countinance. One of my first impressions was, Shat the poor, unfortunate girl had been taking landanum. I origgisted it to the physician who thought that this was out of the question; I that, so for as he knew, there could be no cause of suspicion. I told him I should return soon, I wished him to prepare the family for Dome inquiries. Soon afterwards we commenced an examination of the room, I we pretty grinchly discovened, in the closed, a bottle which had contained landamum; but was now mearly empty. The name of the apothecay was attached to it. A messenge was despatched to make inquiries, who, on his return, informed us that the young lady had, the preceding afternoon, procured the landamum. There could now be no room for doubt. The case, however, Lad progressed too for for relief, & soon terminated fatally.

I will now proceed to consider the plan oftreatment. Formerly, it was the usual practice to employ emetics; & enormous doses of these articles were Dometimes administered. This practice, however, is often ineffectual when a long time has elepsed after taking The landamino. I recolled in one case which I saw with Dr. James, the quantity of tactor emitio, ipreamanha, & sulphate of ring, which it was mecosy to give before vomiting could be induced, would almost exceed belief; so torpid was the stormach, & so powerfully did it with our attempts to make an impression on it. In this case, tilllation of the faceces was also employed; some blood was taken from The arm, a tobacco poultie applied to the opigastium, I The patient hept in a state of constant agelation. Iltimately, however, vomiting was brought on, & a recovery was affected. On the succeeding day, owing to the violence done to the parts, the patient laboured under a complete

attack of crown. From this case it may be percived that, in some instances, the difficulty of evacuating the stomach by emities, is exceedingly quat, even though the most poweful may be employed: I therefore, no experienced practitioner will be induced to rely on them, when there are other means to which he may resort with a better chance of success. The means to which I alledo is the washing out of the stomach by the springs of flexible tube. The use of these instruments, I have before explained to you in my surgical because. Yet, on some occasions, when we are unable to resort to mechanical means, emoties much necessariby constitute our main dependence.

It is here proper for me to remark that cases own in which we may resort to mechanical means, to emities, & other methods of evacuating the stomach; I hough we may succeed in this point, yet the potent will die. I had been this deveral times without fully understanding the nature of the case. I mentioned it to Br. Wiston who said that he had observed the same thing. To illustrate what I have advanced, I will state a case which felt under my observation.

To a child accustomed to receive landamum when in pain, the usual quantity was given: but unhappily, of that trubid kind of which I have spokers.

I was called in, & sucuded in evaluating the stomach, & procuring a passage through the bowels; and entertained strong hopes of a recovery. Still, however, here was some stupor about the case; but the pulse was frequest, instead of slow. Supposing that this was owing to a small quantity of landamino still remaining in the Stomach, I gave another emetick which operated easily; but the child grew worse & worse, & finally died. In another case on over dose was given to an infant in consequence of a catarrhal affection, In this instance also, I succeded in bringing on vomiting, I with the some result. But death, in this case, seemed to proceed from a different cause than that just related. I supposed that the vessels of the lungs were excited to a very high degree of action in consequence of the stimulus of the landanum: that offer. from had assulted, & that this had proved fotal to the infant. The same thing occurred in a child whose Stomach I had washed out. Here I also believe death

But the cases to which I wish particularly to call your attention, are shore in which the stomach & bowels have been evacuated, & yet the patient sinks from debility. I will relate two instances, the first, as you will perceive, terminated fatally; but so long a time had clapsed before any medical treatment was resorted to, that there was no chance of success.

I have several times seen this in practice. There is a certain point when the mischief has been accomplished; disorganization has taken place, & after this all efforts to afford relief are vain.

Case y. - Sught mo. 8th, -1818, I visited on Cooper's Creek, an amiable young woman, the daughter of respectable & afterent placents, who in a parayon had taken two our ces of strong landamino, Dr. Hendry of Haddonfilde. · was called in the first instance & despatched a messenger for mo. The Dorlor tried to excite vomiting by tartar emetiv. He also gave the cities and very feely, & complayed a tobacco injution which, however, was directly returned, Her puln, he said, was slow, her countenance hoid, the action of his caratids very powerful. He bled her twee before I saw her, & avidently, he said, with relief. But such was her deplorable condition, that before the last bluding, she lost, according to his account, the power of Speech & diglitation. When I saw her she was capable of understanding what was paid to his, I gave replies that manifosted it: but her countenance was ghastly & inclined to the livid hus; her pupils much contracted, her pulse full, Itrong & rather frequent. her respiration was laboured - her shoulders appeared to rise too much in breathing. I introduced a fligible tube into her stomach, I by the use of the syringe, aided by the efforts of the stormach itself, I was enabled to wash it out complete. by. While we were ongaged in this process, the patient

improved most astonishingly. Her intellect became perfully clear; I she told me how the accomplished the act declaring The was not conscious what the was about, or rather, that she knew not why she artid as she did. The said that she knew that it was laudamino, & did not wish to take it. & yet it seemed, she said, as if she must do so, & then she took it. Thew appeared nothing like fixed design to injure herself. The seemed very uneasy about her little gister who was with her at the time. The said that The was afraid the had given some landanum to the child, which did not appear to have been the case. This was a proof of her not being award of what she did. I continued washing washing the stomach for at least an how, as the appeared to bear it very well. I used warm water & chamomilo tea ; after this I injected cartor oil through the tuter, as I calculated that a good deal of landamen had passed into the howels. I then withdrew the tules, I proposed a strong injection of salt & water. Sinapisms had been applied to the feet before I saw her. & as I calculated on a good deal of debility, I proposed to Dr. Hundry to apply a large mustand plaster over the Stomach; & informed him that I had known forme cases very dufition, & dangerous in the extremo, after they had appeared very flattering. I proposed his being on his quand, ready to throw stimulants into the stomach, if the symptoms of debility, Shish I expected, should become alarming. I then went into another poom, & being

much fatigued, I sal down & took a dish of tea: when I left the patient she was sitting up in bed. After tea I found her pulse very frequent, & she was widently changed for the word. The complained of being very dry. In a very few minutes after this she was in a state of great restlessness & delirium, endow ouring to walk about the room. She now had subsulties timdining, I her pulse could backy be perceived. I proposed the per use of volatile alkali, warm, stimulating drinks, &. De. I left her under painful apprehensions; I the died in a few minutes after I lift the house, - The landamen was tohim a little after 10 clock, P.M. I saw her about To clock in the wering: no vomiting had been excited before 9 Dans has. If I should have another similar case, I will not persuew to long in washing the stomach, I will resort earlier to stimulants, such as ginger tow, brandy toddy, &. I will now whate to you another case which termina-

ted differently, & in which I derived great advantage from my previous experience.

case 2. - On the 4th of 11th two. 1818, about 11 o'clock at might, just as I was about preparing for bed, I was summoned in great haster by a dry good merchant, rich, & so far as I know, respectable, to see his wife, a middle aged woman who had taken about one owner of thong old landamen, equal perhaps to two owners of common landamen, with an intention to destroy hersely. The name I sempulously withhold, from a settled determination to avoid handing down to postrictly events which another, so

for as regards the patients & their families, to be buried in oblivion. For, who can calculate on the distress & mischif that a physician in extensive practice may occasion by indiscriminately recording, or in any way giving publicity to the names of patients who from various causes, may be brought into conditions which religion & humanity are called on to deplow! On arriving at the house, I found a scene of confusion & distress. The unhappy woman was in bed with two of her infants - The elder, I suppose, under 4 years, the younged under two years of ago. The noise & confusion attendant on their mother's condition had round them from Mech. The elder weft, unconscious of the cause: the younger was sitting perched up in buch, looking innountly at the mother & those around, & happily, unaffected by the atmosphen of wo by which it was our ounded, The poison was just beginning to develope its effects: The countinance of the patient was suffused to a great degree; the temporal artiries were remarkably trugid; the pulse at the wrist, slow, full, & strong. She was not get wraped in profound coma: The was very avers to being disturbed: The wished to sleep, & when she olift her breathing was stertorous. Finding her in such a state, I called on Dr. Wood, who lived mean the patrent, to assist me; & I proceeded at one, with his aid, to wash out the stomach. She appeared somewhat disposed to noit, at first, but as it was an important moment for her, Third to appeal to her in strong language, I endeavoured to couse her filings & to recall a love for life. The was capa-

ble of undustanding what was said, & would give rational answers. I found the most assailable point in her disharted mind was the subject of her children, & hero 9 assailed her with all my fored. Happily, motional affect tion but through the gloomy Phades which surrounded her, I I obtained from her a declaration that she was willing to him for the Jake of her children. I introduced a long flexible tube through the now, & by the aid of a syring 9 soon drew forth the landanum. I now injected warm water fuely, & by discharging it from the opingo into a white bason, I was famalled to percion when it was colourless. After repeated injections of warm water, it was, at last, returned quito clear. As her countinance was still very much suffused, & her pulse stow, full, & strong, I opened a vein in her arm, & she lost about one found of blood. Cold water was applied to the head I dashed into the face with good effect. Her countinance became more natural, but she was very difficult to rouse. Our altention was now directed to The stomach; well knowing that as it had so lately been Inhjected to a powerful marcotic impression, the sudden abstraction of such a cause might be succeeded by atomy or sparm which would be productive of great danger. To counterant this, a large sinapism of pure mustand with vinegar, was applied over the stomach; sinapisms were also applied to the legs, & strong ginger tea with the op. come and was given by the mouth. At this time her face was pale & her skin cool. There was a great diminution of ex-

citement, & her stomach was so lospid, that she could scoreby ful any effect from a wine glassful of ginger tea with two tea spoonsful of sp. come cervi added. The tea was givon quite warm. In the course of about half an hour, I suppose the took, in divided portions, as much as half an owned of the Sp. come cervi & half a pint of ginger tra. The complained very much of feeling cold, particularly about the ankles. Hot irons were applied to her feet, & I directed frien tions of hot brandy & very strong cayenne pepper to her ligs, thighs & arms. All this did not appear to produce amy effect. The was still cold; but was more easily round I when awake talked very sensibly, She seemed very gratiful for the efforts that had been made for her recovery; but still her skin was preternaturally cool. Some warm brandy I water was given several times, & tapeoca or sago trasoned with brandy was directed. A little after & o'clock, I left her under the case of my young friend, Dr. Wood, we having jointly concluded to continue the afforts for proces ing reaction of the system. Next day I found her with complete reaction & some fine. The parts to which the sinspirms had been applied became very much inflamed, & Irveral days slapsed before she regained her former health. I had a long private conversation with this poor, afflicted woman, in which the gave me a detailed description of The temptations to suicide which had assailed her for sever. al years; & I was particularly struck by her stating to me that on one occasion hearing of a lady who distroyed her. self (she was a patient of mine affected with insanity) she felt after this, the templation stronger than ever _ it was almost inisistable. This confirms me in what I have long believed, that the practice of giving publicity to cases of suicide is audically wrong.

From this cases, (& could adduce others,) you may un derstand the very great importance, where a powerful impumon has been made on the stomach by landamum, of wellecting that after quat exertion there is aft to sucand a state of cornsponding prostration; I that, after removing from the Stormach the offending cause, you should not wait for debility to come on, but should anticipate it by appropriate treatment. The volatile alkali, ginger tea, wine, brandy, H., are very suitable in these cases, especially the volatite alkali & ginger tea, as they possess no nanotic power, & produce in consignence no injurious influence on the brain. Landanum por sesses this power, & therefore would be improper to counterant debility produced in this way. In anecdote related by Dr. Wiston has a bearing on this point, & ex. hibits, in a strong light, the sagacity of the celebrated Dr. bullen. A fellow student of Dr. Wisten, in Edin. burgh, took several drachens of landamum for an experiment he then showed himself to his fellow students, und a good deal of exercise, & in the evening, after the stimulating influence of the landamum, he attendeds the Meatre. Here he fell into a fainting fit - his com.

parions throughd about him, & held a consultation as to what was to be done. Some thought, as the debility resulted from an absence of the stimulus of the landamum that some more of this article should be given. Happing, it occurs to them, to resort to Dr. bullion, & to state the case to him. That great man made this fithy remark. Why give an antispasmodic or stimulant possessing narcotic powers, when you are able to resort to others without there?" He sat down & wrote a prescription for much. This was given & the student recovered.

In this place I will make another remark relative to the heatinent of these landamem cases. We are very apprehensive of apopleyy, & There is, perhaps, some reason to be so. But I consider the appearances presented by a palient labouring under the effects of landamum, to be essentially different from that disease; & Therefore, recolbeling that we have to contend with a state of things in which the patient is liable to sink into great delility, we should be cautious not to abshart blood too largely. Unless the symptoms of companion of the brain were very urgent induct, I should not, with my present views, abstract a diop of blood. Those profuse bludings which are news sary in idiopathic opoplexy, are not judicious in the cases of which I have been speaking. A case is somewhere recorded of a patient who narrowly escaped from death, where landamum had exerted its full influence on the stormach. No physician was called till all the primary effects of the landarum had gone off, & nothing remained but very great prostration. Stimulants were then administend & the patient recovered.

In ordinary cases, the proper method of proceeding is to empty the stomach by the tuto, or by emetics, & then to obviate the debitity which is aft to follow by stimulating treatment. The same remark will apply to those cases in which adent spirits have been taken in large quantities. I have seen several instances where death has been suddenly produced from this courd. A poor importunate vagabond, already in a state of intoxication, undutosk for a wager to drink a print of brandy. He did so & death was the consequence. I have seen a shild brought to the very brink of the grave by ordert spirits incomtionsly taken - 9 washed out the stomach & he recovered. Not long ago a gentheman who was accustomed to take a certain quantity of landamim at night, before going to bed, & who also was sometimes off his guard & took spirituous liquous in too large quantities busides, Spent an afternion & evening in the belliand-rooms, & drank oursionally with the others. At bed timo he was in a state of intoxication, & unfortunately took his usual dose of landamino. The effect of this superadded to that of the ardent spirits was fatal; & in the morning he was found dead in his bed.

De. Brown, the celebrated author of the Brunomian Doctrine, was an example of the Dame kind. Dr. Barton who was one of his students, used to relate, that after one of his hetures, Dr. Brown compleaning of being fatigued & indisposed, was told that this was a proper sphortunity for testing the correctness of his theory. He accordingly went home & took a dose of brandy, which he followed by another of landannow; & so went on drinking brandy & landamum, till his frame could bear no more, I his death was the consequence.

Enteritis.

This, as you all know, is employed to signify inflam-mation. of the bowels, & may answer very well as a general term. But I here to call your attention to a physiological remark: Biohart has contributed very much to extend our knowledge of diseases, by his observations on the particular structures of the body. When we recollect The extent & influence of this various structures, distributed own various parts of the system, we are enabled, in Some measure, to applain the remote sympathics we meet with in practice; & it is no longer wonderful how impressions made on costain parts, with a view to the curation process, may operate on others very distant. With These prefatory remarks, I shall take up the consideration of inflammation of the bowels, & shall treat of it as attacking the particular structures which composed This part of our system.

Peritonitis.

In the books you will read of inflammation of the peritoneum, of the peritoneals covering of the hisis, oplien, He.: but, in fact, there are all the same disease, as they involve the same membrand. The peritoneum, you know, is a serous membrand lining the internal cavity of the abdomen, investing the stomach, interlines, him, oplien, mesenting to.: I be j'ts folds forming the omentum, the mesociolon, & other directures to be met with in the abdomen. Now the inflammation of this membrand is essentially distinct from that of the mesous membrand, lining the stomach & intestinal canal.

The evidences of peritorial inflammation, as manifished by its symptoms during life, & by dissection after death, are such as I shall state to you; The coagulating bymph being thrown out from the blood, produces very serious consequences. That this is the case is satisfactorily proved by referring to what is observed on dissection. We find almost the entire mass of the intestinal tube, in many instances, in a state of adhesion. I will here remark that peritornal inflammation is much more to be dreaded, than inflammation of the much more to be dreaded, than inflammation of the much some membrane. It affects a part which, as the Rush word to say, has no back door - no passage for the discharge of redundant secretions.

Theopathic peritoritis, or that arising without the infliction of any injury on the part, as far as my experience has gond, is a raw disease. You will easily understand,

that it may frequently occur as the consequence of wounds, buiss, strangulated hernia, H. It is also said to be an allind. and of purpural fewer. Of this I have little experience, & chall, thereford, Day little. But I how speak of pure periloneal inflammation, occurring without any injury to which the parts may have been subjected. This, though not a common disease, I have oursionally met with in practice. It is attended with fever, a great deal of pain & distress, & much tenderness on presone. Along with these, there is sometimes a pulse of a very puediar character, which may decive a young practitioner, & lead him into bad practice. In my lecture on the pulse, I refund to some cases of pendonial inflammation. I mentioned the case of a lady whom I saw on the veommendation of Dr. Monges, whose pulse was so weak that I was afraid to use the lancet. But consulling Dr. Monges, who had been in the habit of attending her, I was informed by him, Mat nothing but the lanest would answer, & that she would bear it very well. I used it & with the happingst effect. I also mentioned the case of a young lady, who had a weak pulso, but was affected with pain & tenderness in the abdomin. I directed her to be blid; but the bleed. on, after taking a small quantity, said that she would not bear the loss of more without fainting. I bled her myself; The pulse rose under the lancet, & much benefit

These cases prove that the pulse, in peritonial in-

Hammation is not to be relied on. If a patient be affect. ed by chill, succeeded by frow, with pain & teriderness of the abdomen, even though the heat of skin & stringth of pulso may be absent, yet I would advise you cantionsly, in the first instance, to try what would be the effect of abstracting blood, Mind tenderness of the parts, how evid, is not a sufficient warrant for employing the lancet. Some cases of despepsia & Tholic are accompanied with tenderness of the abdomen, without, I believe, the stightest degree of inflammation. It may result from distinsion of the bowels by flatus, or it may be simply The sounces, which, in every caso, is aft to once spasm of the muscular fibro. Here is a necessity for great delicary of judgement in deciding between the two affections. If you find the lenderness occurring in a dyspetitic patient, especially if he has been eating some flatulent artiche of food, & by shiring the abdomen, you perceive the existence of flatus, you should be contions how you result to The land. Suppose then you are called to a featient who has been suddenly attacked with severe frain & tendemess in the bowels, with quat anguity & distress of stomach; & on examination, you find the tongue fund; suppose that These symptoms continue, the pain & tenderness increase, accompanied with ustessness, think, heat of okin, &c., and at length, the patient suddenly obtains relief - under these Circumstanus you may very safely conclude that you have had a case of peritornal inflammation. The sud-

den relief sometimes experienced by policito with this complaint, is aft to decive the unexperienced practittioner, & induce him to believe that the violence of the complaint is part. But the skillful physician, when he examines the pulse & finds it exceedingly feeble, observes the hippocratic countinance, & the cool clammy dweat bedewing the whole surface of the body; I at the samo. timo sees that the patient & his friends are deciving Themselves with the hopes of a speedy recovery, will feel It his duty to inform some of them, at least, if not the patient himself, that they are labouring under an error, & that they must prepare themselves for a spendy & fatal termination. Eller mortification has taken, or, if not This, gomething like suffunction has occurred over the Show Durface of the peritoneum, But this does not invariably happen. Those known violent pain & anxiety amounting even to agony, in several cases which terminated fatally, to continue to the very last moment, The disease, in some instances, may approach very insideously, may make fatal inroads into the Dystem before

sously, may make fatal inroads into the diptem before the patient & his friends are avoir of the danger; & Thave met with one case to which I was not called title the fatal stroke was given.

Having taken this view of the Oymptoms of pentonitis, I of the general appearances on dissection, I will devote a few minutes to the practice. You may easily suppose that the lancet is indispensable. In some instances U.S. must be

load the bowels of any fewlent matter contained in them. What calkartie shall be pelect? Shall it be of a mild or drostie character? For my own part I have thus far defended on the milder calkarties, as the mentral salts, castor oil, the. Irogether with these I administer demulant drinks, as barley water, flowed tea, the, & direct large injections of the same articles to soother & quiet, & to give, as it were, a worm bath to the intestines.

But there are some diversities of practice. In accounts from the other side of the water, I have that the spiret of turpentino is largely administered, with happy effects, in ca-Is of purpural five. Her I am on untrodden ground, & Therefore, cannot speak positively. The modus operandi of the medicino, as stated by some of those who recommend it, is, that it acts by stimulating the lining mem brand of the intestines to inevased secretion, & thus indisetty proves a depleting remedy. You must wellet that I am now stating the opinions & experience of Sh. ers. I confin I have had views somewhat analogous with regard to the operation of the sincha snakwoot in crown. I have desphased that it might first thinkslate the mucous membrano of the branchia, & that this effect might be followed by a copious secretion. But you must remember that in crowp we at the same time July employ the land. Among those who depend on turpentine in the management of purpural fever

venesaction is little or not at all resorted to.

Besides the remedies mentioned, local depletions by means of cups or buches, is of great importance; & courster impussions by the use of formentations & blisters should not be nighted. With regard to formentations, we should be regulated by the feelings of the patient. If he should be relieved by them, they must be continued; but if no such effect is produced, they should be laid aside. In the case of the young lady to which I have before alluded, fine tions of turpentine, our the whole surface of the abdomin, were employed, & continued so long that Hight resication was produced. De. Dewees thinks that spirits of turpentime thus applied, is better in purpural fever, than even blisters. But I have great confidence in the flies, in perit an important remedy. is an important remidy.

This is a general authint of the necessary practice. It must be lift to the practitioner to fill it who, according to the particular circumstances of the case. Sometimes the. warm bath may be advantageously used, united with other usualis calculated to bring on determination to the surface,

& cause a relogation & softness of the skin. I have stated that peritornal inflammation sometimes ap -. proaches very insidiously. In illustration of this fact I will now detail to you two cases which have a bearing on the subject. Case. - S. M. wife of E. M., about 40 years of ago, was safely delivered of her second child about 6 weeks before her death.

Dr. James attended her on the occasion. The was remarkably brave for the first 3 weeks; but soon after this she complained of pain in the abdomen, & had some tenderness on presourd. For these symptoms, Dr. James directed her to be bled several times, used cathactics, &c. Under this plan she was qually relieved, & recovered so far as to get down stairs, & even to ride out. But the De, had very properly directed that the ride should not be repeated, unless she was evidently sensible of being the letter for it. This appeared to have been the case; for the repeated the ride the next day, the 25th of the 12 mo. On her return that day. The had a good appelete, & at dinner ate pretty freely of beets & vinegas, Mont 12 o'clock that night she was attacked with violent colie. Dr. James daw her in the morning. His efforts were directed to evacuate The bowels & allay pain, Various expedients were adopted without success. Her stomach was exceedingly initable, I her bowels obstinately confined. On the evening of the 17th, I was called in consultation. At this time how Jula was extremely frequent; her vomiting appeared bilions, & even stireoracious; There was restlessions and distress without any pain; her abdomen was very turned; her tongue quite moist & natural. I proposed a trial of Tenning's steam bath, also an anodyne enema to compose her. A blister had been applied to the abdomen. I examined confully to ascertain whether there was any thing like incorcurated hernia, but found nond.

Some purgative falls prescribed by Dr. James werd continued. On visiting her again that night, I found her situation not improved; though the batto had proved very grateful, & the enema had relieved her, get her pulse was extremely prequent & feeble, She was covered with perspiration. There was a total absence of pairs, & a duline of thength, with obstinate constipatrow. Various injections having been used by Dr. James, we concluded to give her some calomil & opiund for the night, & left her with very anxious feelings. On the 28th per saw his in the morning, I several times afterward; but we down her a dying potent - Her mails were livid; her pulse bouly perceptable; Though his intellet was as clear as a cloudless sky, & she displayed, in a remarkable digno, the power of true religion whow the mind. She departed about 2 o'clock, A.M., about 20 hours after I first visited her. I ought to mention that my beloved friend, Dr. Spiffitts, was called in about I hours before her duck. On the succeeding evening, in The presence of Drs. Criffetts & James, I made the folfowing dissection:

On opining the abdoman, I found a complete and universal adhesion of the intestines, in consequence of perstonsal inflammation. A small quantity of lymph, of a purelent appearance, was found in the cavity. The left ovarium was enlarged - I imagine its cavity would have contained a print of fluid. On

opening this ovarium, I found the remains of a facture - a part of the jow with several teeth, & a considerable quantity of hair. The hair was quite long, & the whole was enveloped in a mass of debaseous anotter.

Base of He. - The other case to which I alluded was
That of the son of M. He, of this city. I was not called
to attend till medical aid was unavailing. For
a week previous to his death, he complained of
pain in his belly; yet he came down stairs, and
kept about. But the pain & dishess must have
been great; for whenever he attempted to walk, he
went in a best posture. The pounts were not aware of
his critical situation, till a short time previous to his
death. Soon after I saw him the pain subsided: but
I marked the symptoms which, in these cases, are the
sure precursors of dissolution.

On direction, the appearances were very similar to those presented in the preceding case. There was not so much adhesion; but there were marks of universal inflammation of the peritoneum, & effusion

usembling purcelent matter.

For the same family, soon after the death of the long just mentioned, a younger brother complained of pain in his bowels; I though I should have been disposed to treat it as trifling, had it not been for the other case; yet with this before me, I blid him seven

at times, & had the satisfaction of seeing him recover. I believe had it been left along, the east would have persued the same course as the prece-

These instances evidently show that the disease. mayomake its attack very insidiously, & that the back digns of it must be promptly met by the practitiones. I will read you another case which tends to illustrate some points relative to this disease. Case of Scritoneal Inflammation & Scripneumonia Notha. - On the morning of the 2nd of 2nd mo. 1811, I was requested by O.O. to visit a servant girl in his family, aged 16 years. On inquiry it appeared that the had been affected with a cough for some days, but not so sever as to confine his. On the 31 st of 1st month (two days before I saw her,) the complained of pain in the abdomen. In the night the was driged with violent vomiting. Next day she appear. ed better; but became worn again at night, & The family feeling uneary respecting her, I was called in I found her complaining of owere pain in the ab. dornen, which was extremely tender to the touch . She also experienced some pain in the shoulder & back. Her countinance indicated great distress, & his breath. ing was rather laborious; but the affection of the breat seemed lost in the acute suffering which she refund to the abdomen. The pulse was rather contracted, some.

What time & frequent. Her bowels were constituted, I had been so for several days: her longue was moist. I directed 31 of castor oil every 2 hours, also oceanonal injections, containing 31) of the Julphate of Joda. In ounces of blood were ordered to be taken from the arm. In the afternoon, I was informed that the felt caries for about an hour after bluding: but the symptoms had now esturned with all their former violence. I direct ed a continuance of the oil & injections, & 16 og of blood to be taken, provided the patient should bear it well. At 10 o'clock at night, I saw her again, & was informed that she did not bear the abstraction of more That 100g, & nearly fainted when this was lost. The blude said he could get no more. Her bowels in still constituted, & every former symptom of danger remained unabated. A very large blister was now directed, which covered the whole aldomen. The oil was also ordered to be given ocea. sionally through the night, as her stomach should be found to bear it. Next morning I found hav asleep, & as the blister was to remain on until 12 o'clock, I did not disturb her. On seeing her after the blister was dressed, it was very evident that no salutary impression had been made on her Applion Dince the preceding evening. The bowels continued constituted, notwithstanding all the oil, injections H., I she had some stranging. I directed

a every strong infusion of sunna with outphate of soda dissolved in it - a tea cufful every hour; also soda water to relieve the strangury. Her pulse seemed to foolide blacking. About 10 o'clock at night I found has in a anost alaraning condition - the pain in her abdooners was extremely severe; her counterance indicated great distress; has wrists were cool; her pulse was slow, easaly confirmed, & evidently sinking; her tongue was clammy lant brown. The had vomited repeatedly since I last saw her. The was very restless & thirsty, & her bornels soers still constituted. I directed a warm bath, & afterwards a renewal of the blister over the abdomin, as the first had not drawn very well; also calomel in fills. two grains siring & hours, instead of the sunna: I likewise directed a campber julap, with tandamin, to be taken accosionally, when very restless, & an enema composed of worst temperation 31, suspended in a pint of the musalage of gum arabic.

segreted every thing: of course no medicine of any consequenced had been taken since my last visit. Her countenance was now hipporatio; her writts cool, & her peder almost gone. The had great pain & restlessness, & vomited very dark coloured biberess matter. Allempts were made to allow the writability of the stomach by lime water and wilk, Sellyer water, H. H.; but all to no purpose. In anobut about 2 o'clock death relieved her of her sufferings. She complained of pain to the last.

Dissection about 22 hours after death exhibited the following appearances: The omention was found spread over the intestines & closely agglutinated to them by adhesive inflammation. The lexture of the ornentum was more tender Than natural. The small intestines were found very closely adhering to each other - their autinor surface, particularly, being covered with a coat of conagulating lymph. Several owners of fluid, probably 8, were effund into the cavity of the abdomin: it appeared to be a mixture of pus & serum. The intestines in several parts, seemed inclined to a dark gangrenous colour : This was especialby wident in the cacum. The whole intestinal bubo, as well as the appendicula vermisormis, was distended with Hatus & liquid feces. The convey surface of the liver was agglutinated to the parities of the abdomin & to the disphragm, in consequence of inflammation. The stomach was considerably distinded with flatus, & contained Some dark coloured matter. The Monay, particularly on on the left side, contained an effusion of bloody colound serum; & into the cellular texture of both lungs, there was a considerable effusion of blood. In some parts small portions of coagulated blood were apparent. The heart of. provid natural, but very small.

Remarks. - Is it not probable that the adhisions be-

disphragm, prevented their peristaltic motion, in this way induced constitution? Does not this prove the propriety of liminst-cathactis in such cases? Had peintonal inflammation simply produced death, it is probable that the patient would have lived several days longer, & would have been quite free from pain several hours before death. May not the catarrhal affection Shich terminated in peripherenmonia nother, be deemed the more immediate cause of death?

Now, in reviewing the practice in this case, I believe it might have been amended. I think it would have been better to have carried the plan of depletion to a greater extent. But at that time I had not so much experience as at present, & the fainting at the second bleeding in duced me to refrain from ordering a repetition of the operation. If I had another Armilar caso, I should bleed July, & should spenate myself instead of trusting to a bludio. There was one circumstanes that contraindica ted the very powerful use of the lancet. The difficulty of respiration was such as to induce the suspicion that effusion had taken place in the lungs; & under these circuristances it would be improper to carry V.S. to such an extent as might otherwise have been advisable. - In this case we are presented with an often suspected cause of constipation, viz. adhesion, of the bowels to each other, in consequence of coaquilating lymph being thrown out by inflammation. Before closing the subject of pentomal inflammation,

it will be proper for me to call your attention to another very interesting subject. I in doing so, I will make this umark: Practitioners should be very careful not to suf. for this minds to be liased by preconcioud opinions. you should observe, & record your observations, though they may contradict your theories. Now we have been accustomed, I very properly, to consider the inflammation of the bowels, which is wined on dissection by the presence of effected esagulating hymph, as a proof of high inflammatory action in the System. When on examination after death, we find buch offusion, we conclude that so much inflammation must have required powerful depletion by the bancet. I will now state, that, by dissection we may find these adhenous in consignence of the effusion of congulating lymph, get at the very time it took place every thing like dipletory treatment was forbidden. This only goes to Thous that exceptions may our from constitutional per ouliarities. & that these should more be converted into general rules applicable to other cases. However contramy to theory, such is the fact, that the blood wessels of the serous membranes can take on such kind of actions as may indew affusion of coaquilating lymph, when, in-Itead of an inflammatory condition of the system, a state of extreme debility exists; & that this effort is as much an act of expiring nature, as the production of black-vomit in yellow frow. To prove this, I need only rifed you to the case of Si M. (See Diseases of the Thoracio visina, vol. page)

By a long course of sufficient, her system was gradeally worn out; dropsy was the result; we were looking for death for months before it occurred, & just as the was brought down to the lowest state of existence, the was atlacked with violent pain in the abdomin, & in that condition of distress & agony, the expired. Upon examination after death, it was found that the small intertions exhibited evident proof of recent inflammation. They some of a dark and colour, & a small quantity of recent hymph had been affected. Some serum also was found in the abdominal cavity.

But a case much more extraordinary was that of A. K. (See vol. page) The became disposical, was reduced to a state of esnaciation really wonderful, &, in the last stage of life, was attached with pain in the abdomen. On disocction, after removing about a bucket full of serous fluid, the viscera lover brought into view. The omentum was inducated & diseased; the small intestines were agglutinated in many parts by slight adhesions resulting from the effection of recent lymph. The liver was covered with a similar coat, the pylorus was qualty enlarged & inducated, and other morbid appearances were presented.

There came are raw, & have seldom been noticed. Dr. Price tells me that the fact has been mentioned by Bichat in his lectures to his class, in Paris. These cases go to prove the corretness of the opinion advanced by Gregory, in his essay on inflammation. He thinks inflammation may or-

last moments of life. And I am of the opinion that we fall into a great enow when we used to blieding to prewent inflammation previous to performing surgical operations: for so far from preventing it, I believe, as I started on a former occasion, that it induces a state of things calculated to favour the production of inflammation.

Having Spoken of Inflammation of the Peritoneal membrano, I will now go on to consider that of the mucous membrand. The mucous membrand is very extensively diffused. It commences at the mouth & naus, & after living these two cavities, part of it extends down the tracked & accompanies all the ramifications of this brouchia, while the other part lines the asophagus, stormach & intestines, & terminates at the anus. Inflammation of this structure is a frequent cause of disease. At present I shall confine my observations to that portion of it which constitutes the living membrane of the alimenta. my canal. There are various kinds of morbid action which may take place in this particular structured. In some cases of dyspepsia, particularly among intempulate prople, & occasionally among persons of temperate habits at a late period of lefe, There is an engthematous condition of the alimentary canal, as indicated by the aid & smooth tonger. This may generally be considered as a fatal symptown in diseases of this description, But there is an inHammatory condition of the mucous membrand, more common than this, Shirt forms a conspicuous symptom in a disease of which all of you have heard, I some of you have seen; I allude to

Dysentery.

This is a disease in which inflammation of the mucous membrane of the intestines is very throughy morked. you may very naturally inquire, - what evidence have we of this particular affection of the mucous membrane? By referring to the symptoms of dysenting, you can have no doubt of the fact. Let us consider what takes place in inflammatory affections of the Schneiderian membrane. There is first a serous discharge with sneeging, & at last a more concrete or thickened mucus is secreted. The same thing occurs in the pulmonary system; and When resolution is about to take place, we find a thick mucus thrown off from the lungs. In the mucous membean living the intestitual canal, the case is a little diffrent. When inflammation altacks this part, we do not have so much thin, serous discharge, as from the nose; but still, The durations are evidently increased. This had me to remark that inflammation of the Derous membranes is more danquous than that of the someous; because the latter, as it werd, comy the land in their own hand, I are copable of depleting.

This part of the bowels, the wisels sunte more freally to the habient discharges great quantities of mucus and sometimes blood. You are award that a little increase of action in the articles of the nose induces spistages; the same thing occurs in the actions of the nose induces spistages; the

Dysenting is butter understood by the practitioners of The country than by those of the city. In the country The disease is often opedernie, prevailing almost universal. by, & is sometimes very fatal in its effects. In the city, so for as I know, judging both from my own experience I what I have heard from our oldest physicians, it is were er known as an spidersie. Sporadie cases after access, but the disease never becomes general. In some seasons depending, in certain districts of the country, is extremely fatal. I have heard that it once occurred in the neighbourhood of Chester county, where it proved as mortal in proportion to the necessber of inhabitants, as ever the yellow fever did in the city of Philadelphia. In these im-Stances, the fatality, I think, may be altributed to some. cause superadded to the mere affection of the bowels. I. suspect that this may be traced to the samo source which gives rise to such fatality as sometimes occurs in the bilions fevers of our country. It is not improbable that The two diseases after visite to produce those terrible of. identics which, in some structures, are as much to be dreaded as yellow fewer in the city.

A patient allasked with dysentery feels an uneasiness in his bowds, with a disposition to go frequent. by to stool. I when there makes very considerable offorts, without an ability to procure much whif. Sometimes the disease commences with rigours; but this is by no means universal. If proper methods are not adopted The initation of the mucous membrane incroases, accompanied with violent pain & constantly repeated, but unavailing efforts to evacuate the bowels. If the stools be examined, the physician will som perior that the mucous membrand has been sure. ting a considerable quantity of a pulliar fluid which, in general, is tinged with blood. Occasionally the blood is in considerable quantities. Sometimes there will be found a kind of curdled mucus which is mixed with derous fluid, & bears a resemblance to what, in common languago, is called scraped guts. Nothing like a. natural evacuation occurs. These symptoms go on in creasing; & if proper treatment be not interposed, or, as is often The case, if improper articles are administered, the patient becomes worse & worse, & often ultimately dies. Some. times depenting terminates life in a very short period. I have known a fine vigorous man die in five days, of an attack of this disease. I many cases it assumes a very proteated form; & chronic depenting is barriliar to every practitioned. Persons going from this dissale to the tropies are very aft to be allashed with dysentery, The audo

in & continues for a long time.

Depending may be considered as a febrile condition of The system, blended with an inflammatory affection of the mucous membrane of the intestinal canal. There is a Striking difference between cases of this complaint, & those in which the peritoneum is involved. In dejointing the policit will often been pressure on the abdomen wellhout being sensible of acute pain, as in peritonitis. I have often seen dysenting connected with a strong action pulse indicating a high digree of inflammatory action, and of the two wils, if I must contend with a sween case of depenting, I had much rather much with one where this high degree of inflammatory excitement should exist, Than one attended with a languid circulation & malig. nout symptoms. The practitioner is often able to form some idea as to the deventy of the disease, from the facility with which he can procus focal evacuations by eathartic medicines. Serhaps there is no disease in which There is quater liability to dangerous arrow than in dysenting; & among the common people, this error very generally obtains. A patient rises Juguently, perhaps five or six times in an house, & it is found that at each time, there is some little discharges Under these circumstances, it is not uncommon for himself & his friends to imagine that he is purged almost to death. Most unhappily for the poor patient, a system of stim.

ulating & astringent treatment is at once adopted, Instead of carrying off the disease by pungatives, the attendants are very aft to give buint brandy, spield wine, & a variety of astringent articles, to stop what they conceive to be a lax. From the nature of the case, it may easily be understood, that articles of this kind must invariable prove punicious; & in many cases, may have the way to death. Hence, when called to a palient, affected with a complaint in his bowels, you Should be exceedingly conful; to ascertain, at the very Threshold, The exact nature of the disease, whether it is dysentery or diarrhoea. In the latter complaint the patient is often disposed to go to stook, & some pain precedes each attempt to procure an evacuation; bent copeous discharges take place, & the patient is for the time, relived, But in dysentery, let the patient go to stool a hundred times a day, if you please, no relif is experienced - no live fewlent evaluations are pro-

I will no proceed to consider the general principles on which the treatment of this disease is to be conducted. In those cases in which the pulse is decidedby strong & active, I regard the use of the lancet as assential. But in midway cases, where the condition
of the system sums to forbid the use of the lancet,
I at the same time the symptoms sum to indicate the
necessity of abstracting blood, buches or cups applied to

The abdomen are very beneficial. Instances, however, very frequently occur, where the pulse is small, Juguent, initable, & without strength; & here, as a general rule, the primary indication is to unlock The bowels, & procuse natural evacuations. If howevin, the stomach is initable, & This initability depends on bilions accumulations, or other offensive matters in the stomach, an amelie may be resorted to with quat advantago. But the cathartic plan is that principalby to be relied on. In the commencement of dysentery The mercurial cothacties will often be found to answer an excellent purpose. But they should generally be followed up with those of a milder character. After a dose of calornel alone, or of calornel & jalah, castor oil is a calhartic which comes in very approprie. ately. This last article, in the carly stages of the disease, cannot possibly do any harm. As much as The stomach will bear may be given with safety; for whatever there may be more than different to produce the disind effect, is discharged by the bowels, Inbricating the surface over which it passes. But you will not unfrequently find patients whose stomachs will not bear the castor oil; I in these cases it becomes necessary to wront to other aemedies. The newtral salts, particularly the Epson salts, may, under these circumstances, be very properly employed: - Salts are more gratiful to the stomach when disolved in Seltyw water.

In some cases advantage will usult from combining them with small doors of iperacuanha to lastor emilie. In addition I direct large muchaginous injections to allay the pain & irritate lity of the bowels. Horseed lea with, or without, ail will answer the purpose very well. When the pain & critation are very great, and dyne injections, made by adding a tea spoonful of landanum to a small quantity of Starch, are an excellent umidy. Demulient drinks, as flagseed tea, barley water, H., are excellent anxiliaries, & should not be neglected. A mixture of mint & mullows used to be a great favourite with Dr. Wiston. A solution of gum arabio copionsly drank is very beneficial. Your object remember is to march forward till you have obtained natural evacuations; & for this purpose, unmence quantities of medicino are sometimes necessary. But you may inquire, - is this practice to be pursued might & day, & is the patient to have no rest? My course is to pursue the calhartic plan till I have procund findent discharges, which I generally accomplish in 24 hours, & then to afford The patient some nest at might by means of an opiate. But this should not be given alone: two other indications are to be answered at the same timeone to produce determination to the surface, & The Mhis, Shile initability is allayed by the operate, to introduce something which shall lend to relieve the

structure of the bowels, & assist in the cathactic operation. With a view of these indications, I direct the opinion to be combined with speece & colomel. I have after alloved my patients to be by for hours on this medicine. No time is lost. A determination to the skin, which is a point of quat importance, is produced by the Specar, I the calomel serves to cooperate in evacuating the bow. els. One grain of opium, one & a half of ipieas, & ten of calonel, may be given at bed time. This produas rest & prepares the system for the administration, in the morning, of castor oil, eprom salts, or some other cathactive which may agree better with the stomach. This practice is adapted to the early stages of the disease: but after its continuence for some timo, 9 after use opium & ipiear without calomel. But cases own in which other remedies than Those which have been mentioned are required, you may have been using costor oil & epsom salts for a long time, & still wishing to keep up the action of The intestines, may look for something which, while it specates gently on the bowels, deries also for nutriment. For this purpose I can speak favourably of the oil of butter. I direct some of the best Sweet butter to be procued, & to be washed several times in cold water till all the salt is removed: boiling water is then to be pound over it; this liquisfies it & it rises to the surface in the form of an oil.

I use this in the dose of a table shoonful, I from this up to a wine glassful, every how or two hours. It may also be advantageously employed in the form of an enema. I have often found it to allay irritation, I to operate very hap. pily as a laxative. Hence, as a medium practice, when you wish to suspend for a short time the active cotharties, & at the same time, keep up some slight action in the bowels, the oil of butter is a very appropriate remedy.

In some cases of depenting, I have seen a combination of tonics & cathanties very unful. I one attended a patient severely affected with this disease, in whose case calonel, easter oil, He, had been employed, & get the complaint continued. I then directed an infusion of back & thereback in the done of a wine glassful avery hour, This was given in the foremon & costor oil was administered in the evening; & a very happy of fect resulted. In another instance, 3's of good back with 3'ij of where per infused in one pint of water, & a wine glassful was given every 2 hours. On the same principle we sometimes find the other tonies, as columbo, He, very useful. I have known Dr Griffitts to prescribe a combination of columbo & shubarb in powder.

We are sometimes compelled in depenting to resort to some mild cathadic combined with an opiate. Hence the oleaginous mixture is, in some instances, very advantageous.

In the progress of the disease, our views are not confined simply to the evacuation of the bowels, but we also attempt to make some impression on the systems. In some cases

the dynatice patient, in the progress of the complaint, sinks very low, & requires Domething to Dupport his strength. This is printines the primary indication. For fulfit it various remedies of a strinulating & nutritive nature, as wine whey, the, may be employed. The Spirit of temperation has been employed in some forms of dysentery; but I believe not very successfully. But there is a resulty from which the Einter informs me he has derived great benefit: I allude to the warm bath. It should be und two or three times a day. It relaxes the skin, determines to the surface, renders the system susceptible to the operation of medicines, & makes a favourable impression on the discord.

I great benefit is often derived from blistering, & there is no part to which this remedy can be better applied than to the abdomin. Sometimes blisters to the wrists are unful. In bad cases I can highly recommend the employment of blisters. In young children who are exceedingly restless, & who can not be made pensible of the utility of the remedy, it may be defined longer.

Occasionally instances occur attended with to great debility us to under evacuating remedies improper, till the system has, in some measured, recovered its energy. A case of this kind occurred to Dr. Hartshorm & myself. We relieved pain by opinm, and supporting measures, & had to lay putty much whom our oars titl the system rose, before we could resort to evacuants: but by assiduous attention the patient recovered. A respectable practitioner in Bourlington, Dr. Cole, informs me that when he wishes to process a copious evacuation from the bounds the next day, he generally gives a large dose of spinson at night. He thinks that opinson renders the entistions desceptible to the operation of cathartic suidicino.

Those seen depenting combined with intermillent fiver; I in the cases I have found book very unful. There was a respectable practitioner in the misophoushood of Darley, Dr. Gardener, (now dead) who made great use of back in one season when the depenting was prevalent in that pland. He was so successful as to be induced to believe, that the disease would yield to this recordy on all occasions — here he was too sanguine.

I have occasionally seen dysentery terminate in diashood, & The strength of the patient to fail rapidly. During the summer of 1821, I had a case of this kind. a few days before death the stools changed, became bilious & material; but the patient such rapidly, I though considerable efforts were made to support him; yet they proved abortion the die.

You will often find drynntery a very obstinate disease. Sometimes you will be flattend by procuring natural evacuations; I get, when the medicines are withdrawn, the source disordered stools return. you should inspuss it on your patients that this will be likely to happen, I that they must not be discouraged by the change,

Sometimes a troublesome excoriation takes place about the arms. The propers are an ointment made of opium I laid, anodyne formentations, It., I was once sent for to Novistown to see a patient who had been affected with dysentery. He appeared to be cand of this disease. but in consequence of excoriation about the arms, these parts were heft in a state of constant initation. The remedies above mentioned were resorted to & he reconstant.

For dit in the acute stage of depenting, I would confine my patients to muchaginous artists of the most simple & mildest character. Hapred tea barbay water, view water, oc., are offen usorted to. As the disease advances the food may become more nutritions than was at first allowable. When the bowds are weak, the war nows proparations of new, which you know is slightly astringent, may be advantagrously employed. All fewlent articles should be avoided. Firsault (Ibelieve it is, anommends The use of who fruits throughout the disease, but my own experience does not allow me to agree with him. In the early stages even who fruits disorder the Stormach, induce flatulence, & occasion initability & distress of the bowels. In some stages of the complaint, perhaps, they may be safely employed. I have known Dr. to recommend black berris in certain cases.

After the disease has assumed the chromis form

It is of the atmost importance to wear flamuel next The shin. To keep up heat & action in the so fow is ab-Idutity necessary.

After the depentine symptoms have disappeared, & The patient is left in a state of debetity, the vegetable tonies may be interpored peth great advantage. Columbo, quasora, cascarilla, H., on often very useful. In convalescence the stools are very aft to be frequent & sometimes dysenteric. I have known the spice syrup of Thubart, with a few drops of landanum, given occasion -

Another point to which your attention should be particularly directed is the mode of preventing dysontay. In some country neighbourhoods, I believe the disease is much more prevalent Than it atherwise would be, in consequence of the indulgence in the use of impospa articles of food, & of exposure to such causes as must inevitably weaken the tone of the bowels. I do not propose to enter at present into the consideration of this subjet. I spoke of it at large in my believes on vegetable physiology; & I have published dome papers ulalive to it in the Vellage Period printed at West chester, under the title of Essays on Health. In these I have endeavoured to point out the causes leading to the complaint, & the proper methods of prevention; & to Them, thereford, Irefor you for further information.

Before closing the consideration of dysenby in its

acute form, I will just observe, that in a conversation with Dr. Physick, he told me he had found no disease which was of more difficult management, & which count him mow houble than depenting; & that the remedity which he had found most effectual was a blund bleeding in the commencement without reference to the pulos. This I till you, becour the authority of so experienced a physician as Dr. Physik is of great wight. I have already mentioned that in my own practice, I am not in the habeit of emplaying the lancet, unless called for by an actwee & strong pulso. - I have been informed by an intelligent country physician that some of their cases of dyrinting are so malignant & prostrate the patient so Speedily as to forbid the lanet.

On the Shole, I must confess, that my experience in dipointing has not been very extensive; I do not, therefow, speak with that degree of assurance, in the treatment of this complaint, that I sometimes do when treating

of diseases with which I am better acquainted.

Chronic Dysenlery Diarrhaa.

Dysenting Sometimes assumes a chronic form, I then becomes exceedingly troublesome to those afflicted with it. This is the case also with dianhoea. Of went diarshaa I do not propose to speak; but shall confind myself to the chronic form of the complaint. In these diseases, the bounds seem to acquire a habit, & the sup-term accommodates itself to this habit, & the patient continues to suffer for weeks or even months before he is born down.

I was consulted in 1820, in a case of chronic depenterey, occurring in one of the inferior officers of the conques fugate. The disease had continued & months, when he came under my consultation with Dr. Atlee. Vawans modes had been tried for whis. When I discound The seature of the case, I found the want of action on the surface of the body, one of the first indications in the treatment which presented itself to me, was to restore heat I action to this part. I believed that without attending to this point, all our efforts to conset the disorder of the bowels would be unavailing. With this view then I advised the warm palt bath to be taken daily. Convenied that in some of these cases which have been of long standing, the hepatic Peystion is brought into sympathy, & hat a revolution in this system may be productive of good effects, I proposed to Dr. Allie to put the patient. on the use of colomel in Donall doses, say to of a grain every I hows; I on the following day, to give some mild oathartie, possessing tonir properties, an infusion of shubart, for example. This was to be pursued till The discharges should become natural in this appearance.

The use them of calomel in minute doses, succeeded on the next day by the infusion of whiteast, a table spronful every 2 hours, & combined with daily emersion in the warm salt bath, effected a cure, & the patient is now completely will. - I should add that flannel dothing next the skin was an essential part of the treatment. The practice recommended by Drs Dewy and Chapman of applying a flainel roller round the abdomen is worthy of great attention.

A proper regulation of the diet is of the utmost con-Dequence in these complaints. The least inigularity in this respect may prevent the good effects of all our remedis, & completely undo all that has been effected. The palient should scrupulously abstain from all kinds of fush fruits & vegetables. This as a general rule is certainty a good one; but cases sometimes our when vigitables prove very beneficial: I was consulted by a lady from the western country, whose bowels had been in a disordered condition for some time, & she had been very regular in her diet; at length a deceded predilection for fruits & vegetables took possession of her mind - The employed them & recovered. Bout in most cases these articles are improper; & even if the discare has been cured, they are very apt to occasion a relapse.

Chronic diashood is a more frequent consplaint than chromic depenting. The patient is often affected with frequent & propose discharges; all the aliment

is rapidly carried off; & unless relief is pround, the palient is at last completely worn out. Great emaciation with a total loss of action in the surface takes plaw, and death is the woult. - Show no better way of illustrating this disease as it usually appears, than by reading to you a case attended by Dr. Wood & myself, the account of which he has furnished me with.

Gase of J. G. - J. G., between 25 x 30 years of ago, had been frequently subject to attacks of hepatic colio, in the last of which a cure was effected by the use of mercury) so as to excite a very slight salivation. This occurred in The spring of 1818. From that period he enjoyed better health than for a long time before. In the latter part of the fall, or in the commencement of the winter, of 1819, he unditook a journey to the wistward on horseback. His manner of living was extremely irrigular. Sometimes he made only two meals in the day; sometimes, when he made the usual number, it was at inegular intervals, & under various circumstances of rest & fatigue. This method of living, united with exposure to all kinds of weather en, & with fatigue for bryond any to which he had been accustomed, acting on a system which had prequently been the subject of disease, produced a complaint of a nature extremely swew, proteated & dangerous. At various stages of his progress he was so swerely handled, that he was found to apply for medical aid, from which he only derived temporary relief. When, on his return,

he first applied to me, he had been labouring under the complaint for 3 or 4 months. At this time, Shuh was about the latter and of February 1820, he complained of a constant & extremely distressing pain just above the pubis. His bowels were irregular, sometimes more look, Sometimes more constituted, Than usual. This wine was entirely limbed & in excessive quantity, so much so as almost to constitute diabetes. I gave him some direct. ions, I did not see him again for several days. At the end of a week he sent for me to his lodgings. In the mean time, by the recommendation of a gentleman with whom he boarded, he had taken several very powerful purges. His bowels were now in a very disordered state. His stools in the 24 hours exceeded 30 in number, I during the night he was constantly jump. ing in I ant of bed. The colour of the evacuations was very dark, & in consistence they resembled too. Some times they looked as if mixed with disodoed blood, and, in the dubriquent course of the complaint, they were generally of this nature. The pain which he suffered was almost intolerable. The sect of it was in the small of his back, in his bowels, & Sympathetically, in his knees. To violent was the pain in the last situation, that The frequently observed, he would willingly suffer amputation, if it would bring him relief. He no longer complained of the pain over the pubis which had before houbled him so much. The duffering was always more

ante for deveral minutes before a stool. He was much troubled with flatelines. His appetite was newor entirely distroyed, as through the whole course of the complaint, he was able to make one, two, or three meals in the day. His tongue was generally covered with find. His prine was still secreted in immense quantities, & of a limped colour. This symptom, however, soon good way to the plan of dist which was adopted. As may be supposed from so sever a local disease, his constituhow suffered very considerably. His pulse was rarely slower than 100 in the minute, & at the same time was rother feeble. His newous deptem was very much disordered, I he was now & then suzed with spells very much resembling hysteria. His spirits were always much for possed. I never saw a living being more emanated. The flesh had almost all wasted away from his limbs. The bones projected at his hips & back as if they would make their way through the skin; I his abdomin was shrunk almost to nothing. It appeared surprising to me how to much matter could be secreted into the bowels, as passed in the course of the day.

De. Parish sow him with me in consultation. He was fut on such a diet as was calculated to be most ea.

My of digistion; as eggs, orpters, methon, beef, looked or Sale bread, with my coffee or chocolate for breakfast & supplied.

All fresh regulables were excluded without a single exception. To this diet he adhered rigidly throughout the disease.

With a view to comet the disordered action of the liver, which was concioud to be the principal course of the disease, we directed the use of caloned in The dose of 6 of a grain every half how, titl 3 grains should be taken in the day. It had been ascertained that any thing astringent increased the pain & irritation, it was thought best not to venture on this plan till the alvine secretions should be corrected. An opial at night, however, was ordered; but proving injurious, it was afterwards omitted. To remove the initation of the bowds in some measure, the oil of butter was directed. For a little while This answered a good purpose; but after a few days it be. came disagreeable to the stomach, & was rigided. It was prescribed in doses of a table spoonful every 2 hours, every other day, The calomet fills being given on The alternate days. By pussing this plan for some time, the discharges from The bowels again assumed a feculent appearance ; but the diarrhoed continued, & the pain was very own, though less so than beford. I blister was now applied over the abdomen, Thick gave considerable relief, & enabled us to adminuter an opiate at night with wident advantage. Ifter the blister healed, it was again applied & with a salutary effect. The calomel & oil of butter were omitted.

Continuing without much improvement, the warm both impregnated with palt was directed to be taken every night at bedtime, & followed by 30 or 40 drops of landament. The effects of the bath were wonderful. When he first entered

it, he was so weak as to be totally unable to assist himself, I on the second time he fainted: but the disorder was much improved. The pain was diminished, & the night was passed without disturbance. The treatment hitherto pursued had prepared the system for the administration of astringents. According a preparation of galls & brandy with an infusion of cascarilla was employed: & under this plan, with a continuance of the bath, he ultimately secovered. Once or buin afterwards he relapsed, but was astored to health by the same means. After the removal of the disease, his appetite became voracious, he increased rapidly in flesh, & has were since remained in perfect health."

I have now proceeded for enough in the suljest of chronic diarrhood & depenting to convine you of the very great importance of altending to the surface of the body, & the extremities. The warm solt both, flanned next the skin, & flanned socks dusted with Cayenn proposed, are remedies of wast importance. I have also proceeded for enough to show, that when connected with derangement of the hepatic system, the disease thousand be treated with small doses of calonel, alternated with cathactic medicine, particularly such as possess the tonic & laxation power combined, as wheelast for example.

But it is necessary to resort also to other remedies in the treatment of chronic diseases of the alimentary canal.

Among these the astringents hold a distinguished rank. It frequently happens that these may be interposed with very great advantage. A great variety of articles have been neeommended. The spired synth of Mubart, which, though not purely astringent, combines this power with the layative, is a proporation much complayed in this city in certain cases of diarrhoa. It is more aromatic & stimulant than the simple syrup, &, in small doses, combined with a few drops of landamin, I have occasionally found it very useful. A dissert spoonful with 5 drops of landamin, may be given 3 or 4 times in the 24 hours. But among The astringent preparations, few will be found more officacious, Than the symp of galls made in the following manned: Take 311 of the best Alepho galls, coarsely powders, place them in a cup capable of containing 5 or 6 ounces of fluid, & fill the versel with the best old French brandy. On the top of the cup forks or showers are then to be pland, & on these, pieces of loaf Jugar to be laid: The brandy is then to be set on five, & allowed to burn as long as there is sufficient alcohol to supply the combustion. The organ melts & drops into the cup; &, as it disappears, fresh quantitus on to be added, till the brandy ceases to burn. At the done of the process you have a signifi of galls, which is to be strained off from the coarse powder. This is a powerful estingent, & not unpleasant to the taste. When you wish to make it aromatic, you may add a little cirmamon on cloves to the galls. One single to sprouped of this symp

is sufficient for a doso. I have und it from this quantity up to a dessert spronful, sometimes by italy, sometimes combined with the testamous mixture.

Kino is an astringent much wronted to in these cases of chionic disease. It is generally employed in the shape of tincture, & is most commonly combined with other articles. Some remedies uniting tonic with anomatic perfection, are employed with considerable advantage in chronic drawbace & depending. Cascould is particularly adopted to some of their cases. It is used in the form of decotion, in the don of a wine glassful bor I times a day. In addition, the other tonics, may be occasionally employed, as colombo. quassia, &c.

Perfore the case of S. C. I had under my can a young lawyed of some eminened from the state of Maryland. In that instance the same practice was pursued as in the caso already delaited, with the exception of the calomel. The warm salt baths, the orpush of galls, with an attention to diet were all resorted to, I with success. I much had a more satisfactory case, either in the happy termination, or in the living expression of gratitude on the part of the patient. He has several times, when in Philadelphia, called on me to express his thanks for the services I arm dend him.

In the treatment of diarrhad you frequently hear of the testacions mixture. This preparation has often a very salutary effect, given in combination with a

little landamin & some astringent article. I was consulted by an old lady who labound under chronic drawhad, for sweral years. It was not of that dobililating kind we after meet with; lent it subjected the patient to a great deal of inconvenience. I rigulated her diet, & at once put her on the use of the testacions mixture with astringent articles. The effect was wonderful. The diarrhaa was speedily checked. Finding to sudden an effect produced, I leagan to be fearful, lest the certain of a discharge to which the system had been publication many years, might be followed by dangerous consequences; espenally as the patient was at a time of life when the catamenia are about to disappear. I warned her if the should be senselle of dis-case in her head, that the should immediately stop with the medicine, & invite back his old complaint. The pup. aration I employed was the following: John Perpand oyster shells, - 3VI Gum Arabir, Lauf Augar, ā ā 3 ij Link of Kino, (31) Find of Cinnamon, 31

The inquedients were well subbed together, & a Goz migture was thus formed of which a table spoonful was used for a door. The patient soon became arguainted with the

Landamion, drops, LX

proper method of regulating the article; & the completely succeeded in arresting the disease which had
caused her so much trouble. I might here mention that in forming the testacious mixture, my
friend Dr. Criffitts, does not use gum arabic & ougar - he employs simple water & generally adds the
comp. Sp. of lavender. - The direction of logwood &
the devoction of galls are also organished employed.
I have used the posseguante in devoction, but and
inst very partial to it.

It now remains for me to state, that after having attended to the restoration of heat & action to the surfair; after having corrected the functional derangement of the liver; after having employed astringents to check profuse evamations, & anodyne injections with opiates at night to relieve initation, we shall often completely fail in effecting a cure unless we attend also to the dit. There is no disease in which count rules as to the dictitie management of the patient are more essential, than in Chronic diarrhae. The patient may be going on very well, & you may be flattering yourselves with the prospect of a speedy cure, when all your efforts may be thwarted at once by a slight impularity in dict. The potient should be restrained from every speers of fresh fruit & vegetables; I even the potator should be prohibited. The face inacions articles, among which rive may be conside.

and as the hist are very well swited to the disease. Rie culainly possesses some astringent properties. It may be used simply boiled, or in the shape of rice & milk. There is a pudding prepared from this article, which I have oft. en recommended to my patients. The sice is to be first well borbed, so as to render it soft & easy of digistion. It is then to be mixed with milk & sugar, & baked in an oven exactly as the common rice pudding. The French practitioners frepare what they call the cream of new, which occasionally answers very well. A lady of my arguaintones has improved on the French method. She puts rice into a considerable quantity of water, & boils it several hours very gradually till it is rendered exceedingly doft; She then rubs it over a sive, so that the liquid & softest portions pass through. This is trasoned with rose water & a little metring gration over it. Eaten with with a cream it forms a very pleasant article of dict. Besides view other foundations artieles may be used, such as arrow rook, sago, He. Taproca gum arabic, & other articles of the same kind are also propio. Crackers are very suitable; they are preferable to common bread. There are some cases which are much benefitted by the use of milk. I wellest one of the most obstinate cases of diarrhow which usisted the skill of the most eminent physicians, Dr. Withan among the number, I recovered under the daily use of new milk with planty of mutmey grated over it. But I have generally been in the practice of directing certain articles to be added to be with. be roaded like coffee in a pan till it becomes brown; milk with this has, sometimes, a very happy effect. There is and in preparation which is familian to mothers & news, and with which physicians ought to be acquainted. Some flour is tied in a ray & boiled for several hours till it becomes as had as chalk. It is then grated & used for thinkining milk, & for making paper. In all the different shapes in which milk is prepared, I am fond of adding some aromatic. Solid food will sometimes answer very well in diasthose. I boiled mutton or boiled food is perhaps, the best. In some instances as bringent drinks, as, for instance, good old Post sine, used in moderation, are beneficials.

But in chronic diarrhad, as well as in dyshopsia, your will occasionally find that articles you would hardly have thought while find that a tenspecial effect, will bring about a cure. It. Wister related to me an anecdote which it histrates this position. He was himself affected with lender ness of the bowds; I a triffing matter would bring on diarrhad which, when it did attack him, rapidly reduced his drength. He told one that on one occasion, when he was affected in this way, it happened that he had some bottled malt lignor in his house, which had remained there a considerable time, I had become somewhat sow. From some acuse or other he took a little of this hard ale, I found to his surprise, that it proved useful & that he recovered under its use. Sometime after this he had a patient similar.

him some of his ale, & the patient recovered under the war of it. Another time the same man was again attacked, & being use able to procure from the bottling cellars any of the liquor he wanted, he sent word to Dr. Wistar that he would be smuch pleased to make an exchange with him, promising for completely of his hard ale, to send him another of the best.

Dr. Physich retailed to me an ancedote of a care of diasher which was could by the use of sound cide through the day, I at night a don of aromatic tinclus of rhubarb with cordamon soid, as prepared by some of the apothecaries,

I particularly by John Hart of this city.

On the whole, before closing the subject of dianhoca and depenting, I wish to real to your rememberance a few general observations. In the first plaw, always attend to The Aufaco & endeavour to reston heat & action to it, & also to the extremities. 2nd, Endeavour to correct the functional decargements of the hepatic system, where there is waron to believe that such decangement, exist, I if there is organic disease remove it if possible with the ulmost dil. igunes. 3rd. At this point wont to astringent remidies, waeying them according to the circumstances of the case. All. If there is considerable initation, allay it by anodyne ingretions & opiates, particularly at night; & 5th, Attend most some pulously to the diet of the patient; for, unless this is done all your card & altention will often be unavailing. At the same time you should remember, that, as in dyspop. sia, exceptions to general rules with regard to dist occasionally occur, & should not be disregarded. In all cases you should watch the pointings of the system, & gradually allow the patriot to revert to his former dist.

Rheumatism affecting the Intestines.

I shall commence the present lecture with some observations on an acute disease which I shall call chumatism affecting the intestines. The same observations will generally

apply to gout affecting the same fast.

The disian of which I am about to speak is observed in persons subject to yout & rheumatism. If I am delled to a patient who has been subject to their diseases affecting muscular parts, & find that he has been suddenly attached with swine pain in the bowels perembling oblic. that this pain is asther paraxysmal than otherwise, & especially if I ascertain that the pain had been suddenly removed by firetion or other means from the extremities, I entertain little doubt that translated yout or shownation is the cause of the symptoms.

In the course of my practice I have met with a few cases, such as I am about to describe. I have in some instances known the pulse to be laboured & tenso, indicating an action state of the circulation. In these cases the practice must be materially different from what would

be proper in such as are allended with a debilibated state of the circulation. I consider it of the utmost isso portance to fix in the mind some general indications on which our practice is to be founded. Thus, in a partient affected with violent pain, & that pain paray ymal in its character, & altended with an excited state of the directation, one of the first andications would be to restore reduce this excitement by the abstraction of blood. In addition to this, it is important by proper measures to evacuate the alimentary canal. For shifter we the direct arises from inflammation or simple spoom it is certainly necessary to remove any mess of feelink matter that might remain & produce irritation.

Pout suppose the pain to be extremo; suppose the suffering to be so great, that the patient is unable to wait for the augular operation of cathactics, & it becomes ne cessary to adopt some immediate measures of relief; you will then see the newsity of combining with the cathactic some remedy calculated to allay pain & resolve sparm - opium will answer this indication: & a combination of calomet & opium answers very well in some of these cases. Besides this, we should have in view other articles which may have the effect of resolving sparm, & which may be called in as auxiliaries to opium; or, if the symptoms are not very wigned, to suffer the place. Several of the antispasmodies will answer this place. Several of the antispasmodies will answer this purpose. One of the best & snort early obtained

happish effects in the form of enema. We have also the much: but this article is very expensive, & economy, in many instances, would prevent a resort to it, unless in cose of necessity. The rutified oil of amber & other come in very well. But the assafatida, from much experience, I consider a very important antispasmodic, I antilled to much attention.

But The indications do not end her. Not only have we to reduce vascular action & remove sparm; but no must also resort to counter initation, especially when There is reason to believe that The disease is The result of metastasis, Hence, you can easily understand the impostance of sinapisms. If the pain in the bowels arises from the aussion of gout or rheumation from the extremitis, nothing can be more natural, Than to indiavous to bring it back again, & for this purpose, mustand plasters applied to the feet & ankles are very important rem edis. Dr. Barton, the late professor of the practice, who was himself very subject to attacks of gout, was veup much opposed to the now of sinapions & stimulating applications of any kind to the extremelies when the pain was realed in these parts. He frand, & justly too, that They might refel the disease to parts of quater vital importance. But in cases when mitastan's had taken plaw, he thought the remedy excellent. Ir. Baston; putats, had as much experience in gout as any

other physician - he had To 8 brothers all of whom were subject to the disease. The Dr. informed me that one of his brothers had an attack of gout in his feet, & the pain was to severe, that he wished to have mustard plasters applied: he had on orwered occasions experienced great whip from them. Then the disease had acceded from the extremetris, & he was in hopes that the same beneficial effect would result from their application when the pain was realted in these parts; but the Dr. Objected to Their was for the reason already given. This brother, however, puristed in his entreaties, & The Doctor's remonstrances were wain. The sinaprisms were applied, & that might he was single with violent frain in his other.

If you find coldness of the surface, as will sometimes be the case, it will be disirable to restone warmth, & for this purpose, formentations & the warm halls may be assorted to with advantage. If the fram though continue obstinate & severe, notwithstanding the use of the remedies mentioned, counter initation by means of blisters in the neighbourhood of the part affected, may be advantageously interposed. I will now relate one or two cases to illustrate the practical principles I have advanced.

Case of S. G. - In the spring of the grav 1810, I attended an elderly gentleman in this city, who had an attack of the gout. He was sized with violent pain

in the left Ande of the abdomen auompanied with frequent emotations. The pain was situated about the sigmoid flexure of the colon, & occasionally darted into the back. Whenson the pain was considerable, his pulse was remarkably strong & active. The pain was not constant, but ouring in paroxyoms. It was newsay to bled him, I he bow the loss of blood well. The operation was repeated several times, & a strong proff of its being required was, that it always affordand relief. It was also necessary to warrate the alimentary canal. For this purpose castor oil was given in large doses, & purgation injections were administered, till the bowels were completely ampetied. After this injections of assafalida were directed, which relieved him quatty. Sinapisms were also applied. Dr. Physik saw him with me three times. The advised the use of anodyne enemeta, which had a very happy effect, & proposed 10 drops of the rectified oil of amber every 4 hours. By pursuing this plan the patient happily reovered.

About two years afterward, I attended this patient with the same disease; but in this instance, it look hold of the stomach. The same course of treatment was not exactly indicated in the present, as in the former, attack. Since pisms were applied to the feet, opiates & strong ginger tea were given; &, at the same time, the bowels were kept freely open by castor oil & injections. In the course of the attack, several chills occurred for which volatile alkali was given with advantage; & before the close of the case, In account of the debility which supervened, mustard they & other Stimulants were employed. Fories completed the curd. - In the first instance, as you have perceived, the intestines were allacked & depletion was required; in the second, the stomach was the seat of the dinase, & Stime lands & tonics were demanded.

Calonel combined with opium has been very much employed of late as a purgative in diseases of this discreption; though oil with landamen will, perhaps, in many instances, answer equally as well.

Case of J. C. - In the year 1810, I was consulted in the case of J.G. who had a violent pain in the cavity of Phe abdo. men, attended with constitution of the bowels, & an activo state of the pulse. When I saw him, Dr. Park had been prescribing, I had followed the usual course. The warm bath I bluding had been used, & attempts had been made to evac. nate the bowels. But he was still in very quat pain; and perming that the pulse was full, thong, & very active, I proposed to the Dr. That we should assort to the land one mow. An injution of tobacco had been tried, but not having Inceeded, I advised the use of it the second time - This was before I was so well argusinted, as at present, with the dangurous consequences which sometimes woult from the nor of tobacco onemeta; I if a similar case were now to ocand, I very much doubt whether I should usout to the umidy. In this instance, however, it was given, &, unitod with the bluding, antivity relieved the pain. The patient said he felt as if a structure in his bowels was giving way. At this tion, moreowed, his system was very irritable, in convequence of Shirth I proposed to the Dr. To give him a julap composed of other & muth. This was done, & in addition, longe injections of assafactida were given. A strong infusion of sunna was used, also a duration of columbo. These assured is afforded him very quest relief.

This patient was subject to oursional attacks of whom. matison in surscular parts. Hence, from the nature of the case, these could be no doubt that the present affection was sherranation of the instations.

I have stated that in some cases we may nevert to the lanet with freedown; & I have related a case illustrative of this position. But it proper for me to state that cases may arise where a resort to the land would be injudicious. We find a great directly in patients subject to gout. In some There is a disposition to assistion after the shoke has been given; in others, on the contrary, there is a disposition to sink & become frestrate. Now if a patient with gout or whensustiam is suddenly attacked with pain in the bowels, & This pain is accompanied with prostation; if the pulse is feeble & the Okin cool, Justy it would not be proper to most to the lands, let the suffering be over so great. Sufficient time cannot have been afforded for inflammation to take place, & The pain is solely the result of spasser. If you take wife the idea that the prostration results from exassier excitionent, & have recourse to V.S. to estivo it,

you may ust around that you labour under a great mistake. The practice of confounding pain & inflormention necessarily leads into great error. I seish to impress you with the importance of distinguishing between these two conditions. When the pain is great, & an excited state of the circulation exists, it is proper to bleed before resorting to antisharmodies; but when the system has been laid low outprosition, that it is an inflormentony affection. When treating of cholica, I had a carrion to call your altertion to the same thing. Violent pain attends some cases of this disease, dependent purely on sporm of the muscular fibro. It to treat this as an inflammatory affection, would certainly be to endanger the life of the patient.

Colica Pictonum.

I now pass on to consider some other sposmodic af fections of the alimentary canal. Then form an intensting class of diseases, which occasionally claim the attention
of the medical practitioner. It may happen that in cases
of this kind, the pain & distress will be located in the
abdomen: but it may also happen that a severe spor
modic affection of the bowels will not display itself within
the belly, but will mislead the practitioner by calling off
his attention to some remote part, as the brain for instance.

I shall have occasion to illustrate this fact by cases. At foresent I shall consider the disease which has been denominated colica pictonum or painter's colic.

This affection generally depends on the poison of lead, I we must with it very frequently among those who work in this article. This disease is painful; but to far as my experience has good; is not very dangerous; at any rate it will generally yield to appropriate treatment, if applied early. The patient is affected with some pain, & a twist ing Insation in the bowels, We often much with a slow bounding pulse, such as sometimes occurs in transtated gout or rhoumatism: but there is not the some condition as in enteritis. There is not the same degree of excitement & from as ours in this disease. It differs also from enteritis in the much greater length of its duration. Invariably, so for as my observation has gone, it is attend. I with obstructe constitution of the bowels. This state of Things goes on, & unless efficient treatment be interposed, the patient will suffer a great deal of pain, & may in the end be worn out by the disease.

It has not fallen to my lot to witness a great many cases of colice pritonum, though I have seen a number. Certain districts of country in Europe are subject to it. In the neighbourhood of lead mines it is very prevalent, & continued to be so until a prophylactic plan was instituted, which, it is said, has materially bearned the number of cases. This consists in the daily use of sweet

oil. In plans which have been subject to the disease, it is common to take a wine glassful of sweet oil every maning; I the consequences of the practice have been very been efficial.

A gentleman of this city, E. H., a find of mine, & a plumber by profession, was repeatedly attacked with colica futonism. He told me that always after solding he would be affected severely by the poisonous fumes of the lead; & generally several days would elapso before The muscles of his arms would be restored to their nature al state. Often when engaged in this business, his hand would shake as much as if he had been in the habit of drinking; Though he was a remarkably temperate man. I find the following notion of his case in one of my hol. Cast of E. Fl. _ 10 mo. 1810. I am really afraid this worthy man will never relinquish this business he is engaged in , untit he falls a victim to the barreful influ one of lead on his system. This is the third attack of the paintis or plumber's colir, which has brought his life into gust just andy. He possesses a strong hereditary pudisho. Dition to gout, & the present attack sumed a combination of the two diseases. He had frequent emetations, & occasionally sweet pain in his knees. The disease commenced with pain & a dense of traiting or sparm in his bowels. His pular was does I tense. When first called, I bled him fue. by, ordered calhartic fulls, formentations to the abdomen, to.

lent without effect. Anodyne injections relieved him greatly, but did not wach the cause of the disease. I tied him also with several large doses of much without benefit. It my request Dr. Parke was called in, who has always attended him with me before; I we readi by agreed to enter on the use of mercury, the only remedy that has ever get radically removed the complaint. We gave him I' of calornel in the course of the night, & about go x next day. This answered the purpose, & produed physlism which has, in his case, always ormended. But it is worthy of remark that the relief is obtained see end days before the discharges from the bowels are coprous. It seems as if the spasser or stricture, is asmood by the action of the mucuny, & Then several days are required before the tone of the intestines is so far restored as to allow them to expel him contents. After be ceased to give the calomel, I thought, during one day, small doses of The volatile alkali relieved him considerably of his languod. The columbo & chemomile in decoction were exhibited advantagiously with a view to the restoration of love to the intes-

Mercuny effects his snowth instead of his gums. In one of his former attacks, the action of mercuny on his tongue was such, that for two weeks he was unable to speak, & at that time he said he would never again take the article. I know him to be of a frim I determined termper; & when I was again called, was not ourprised to

find him obstinate in his unwillingness to take men cury. I told him I believed he would have to come to it at last: but I first alternifled to relieve him by other means, as I have already detailed. At length, however, worn out by the pain he suffered, he submitted to the now of mercury. In every subsequent attack the same article has been resorted to, & a cure has always been effect.

In other instances, I have often met with colica fire torum when the same remedy was necessary. A short time, however, may be divoted with safely, if circum-Stances render it desirable, to the employment of other measures; for the disease, so far as I know, is not specduly falal. Then are seldom any inflammatory symptoms. One care, if I weallest right, I relieved by the liberal use of Jolah & cream of lastar. The patriot was accustomed to grind paints in a cellar, & generally had a pitches of water standing by him, of which he occasion ally drank, The dust from the paint formed a pelliche an the water, & this was swallowed with the aut. The consequence was, that he was sized with a violent fit of colica pictomens. In this case I believe I suche ed in effecting a cure without resorting to mercury. But the general result of my experience has been, That mercung is the only armedy on which whance is to be placed, & that this should be carried to far as to produe ptyalism. The pharm is thus alaxed, & the

pain of course, diminished; & after a few days hand clapsed, the intestines evacuate large quantities of freulent matter. Minor remedies, as the warm boths, blisters, importions, &c., may be employed; but you will recollect that mercury is that on which your reliance should be placed. It was first recommended by an English physician who winded in a district when the disease was prevalent.

Combinations of calonel & opium, particularly at night, with the accasional use of anodyne injections through the day, I consider very appropriate in the treatment of this complaint. Two or 2's grains of opium & 10 grains of calonel pell be sufficient to be given at night, & with this the patient may be allowed to rest titl morning.

Spasm of the Intestinal

Canal in Children.

I wow pass on to the consideration of sparm of the intestines, as I have observed it in infants. This is a disease with which you will occasionally have to contind. Several grades of sparm may be observed in the infantile state. The severe wind colir of children is a sparmodic affection of the alimentary canal. But I wish now to direct your attention to an affection smuch more serious, which sometimes proves folal, but may generally be made to yield.

Occurrently in the course of my practice, I have met with children suddenly attacked with spelifiting fits, differing countially from common spilippy. Instead of the stupor which generally succeeds an attack of generical after the fit, I looks as if nothing had happened. This cause several times a day. If you examine closely, you will find the child laboring under a sense of uneasiness in the cavity of the abdomen. So far as I have seen, the disease generally goes off; but sometimes it proves fatal. When this account, the fit returns, time after time, I the little suffered, worm out by the fuguest attacks, at length of prices.

I propose to give you some easis which have fallen under my observation; I in doing so, I shall be the more particular, as I consider the publicit to be very important, I as the little sufferess are unable to describe their own feelings, it notes of course with the observation of the news, mother, or practitioner, to decide upon the nature of the case. It is possible, in some instances, when the fits return very frequently, that the brain which at first only sympathight with the intestinal disease, may at length itself become affected; but I wish you to revollect that the primary affection is seated in the bornels.

case of J. R. J's Child. ... 1812, 7mo. The subject of the free ent note was an infant of only a few months old. From all the circumstances of the case, I was indused to attribute

her disease to a spasmodic affection of the bowels produced by flatus. The fits were very frequent. On her recovery from them, the appeared, immediately, to know those about his; & the was affected with nothing like the coma supervising epilipsy. I directed her bowels to be opened, had her once blid, und the warm bath, ference seed tea, also the tinction of assafactida, & the recovered.

Jewas afterwards called to altered another child of the same parents: but this one died. Thinking that the disease might would from the mother's milk, I advised, that if the chould have another, I should never take the breast, but that a vert muse should be procured from the beginning. My advin was altereded to, and the next in fact escaped without an attack of the complaint. In eases when a wet muse can not be procured, the dist of the mother should be regulated - she should about all flabelest food.

Case of Convulsions from Intestinal Switation. - The subject of this note was a remarkably fine boy, aged about 9 months. He had swend convulsions before 9 saw him. They came on suddenly, & were of short durantion. One day his mother brought him to town in the carriage, called at my house, & told me he had a fit that day. I land his gums freely, directed his bowels to be opened, as they were constituted, his spine to be bathed with justin & brandy, & law assafatida to be given.

11mo. 2nd. 1818. - I was called out in the night in con-

signence of Dickenson having had two violent convulsions in pretty quick succession. I found him with a cool shin, a blue appearance about the mouth, but evidently with a clear intellect. The child almost inmediately on coming out of a fit, appeared to know those to Thom he had been accustomed. It his pulse appeared somewhat tense, with a view to the solution of spassor, as well as to place the system in a condition that antispasmed. ics might at with more effect; I immediately blid him freely. He fainted under the operation, I had a discharge from his bowels. Soon after this he had another fit, which on his being put into the warm bath, outsided in two minutes. I gave him some las assafatida, & in doing Do, purioud that he discharged flatus from the Stomach. I ascertained that the child suffered a great deal of pain, which was manifested by his stiffening himself and Occaming very frequently. I now gave him an encma of assafatida with 9 drops of landarium, & directed if he was not relieved, one drop of landanum & a little lac assafatida to be given every 2 hours till he should bicome easy. I also directed a large spied plaster for The abdomen. Dr. Harlan staid with him through the night. I requested, if well enough, that he might be brought to town in the morning, in order to have him mad me. He passed the night very comforta. bly; but towards daylight he had another convulsion, more violent than any of the preuding. He was again but into the warm bath, & Dr. Harlan, very properby lanced his gums again, & gave him a mixture consisting of one drop of landamem, 4 drops of Spirito of hartshown & a little magnisia, & applied a pair of blisters to his hags.

12th. He was brought to town, & The ride sumed to do him good. Bring impressed with the belief that spann of the bowels produced the convulsions, & that this was caused by aidity; I directed a to spoonful of the infusion of hickory ashes & doot, to be given every 2 hours; the mixture of landamin, spirit of harts horn & magnisea to be repeated of the same interval, if in pain; The abdomen to be bathed with brandy, sweet oil & a little landamen ; I with a view to make a Strong impression on his newous system, without nau. seating his stomach, I ordered his spine to be bathed with The restified oil of amber & sweet oil. I visited him frequently, & was encouraged by finding his skin become warm & his face a little flushed - Hlooked like a determination to the surface, which I wished to see. He has not ourseon to take his landamum more Than two or three times in The day, as he appeared cary without it.

13th. I was sent for early. He had one very slightconvulsion about midnight; &, as he was restless, his mother was afraid of another. I watched him & listened to his language, for infants have a language,

& happy the physician who understands it. I thought I understood from him, that the pain had left his bowels; but that he was very uncomfortable and Thirsty. He was trand, & he filt dishood to make it known by futting. His skin was warm & his face flushed. I gave him Dome cool water. He took it with avidity, I it made him more comfortable. I again lanced his gums, to do away initation from that cause. I di ruted The medicines to be laid aside, & ordered a dose of oil to clear the bowels: but before this was given he sunt ento a refreshing sleep in which he continued the principal part of the morning. About moon The oil was administered. He again became fretful, I the cold water was renewed. As the air sumed to revive him, I directed him to be comed out into the yord; I there the little lamb soon full ablish, The ofturnoon & night were passed, on the whole, very comfortably, & The little patient escaped without a convul-

14th. He had no convulsion this day, though he was threatened several times. I gave him much julat, about one grain in a dose, or rather less. This was deveral times repeated with great drevers. This bowels were opined with an injection of femal seed that I oil, I the spirit plaster was applied to the abdo men. This part was also bathed oreasionally with sweet oil, brandy I landament, I drinks were giv.

en as befow. I allowed his mother to give him the breast. Her mind was more composed, & I had placed her for several days on a strict animal diet, with gingu tea occasionally as a diwh.

16th. The child was reported this morning to have had some fever in the night; but the much was given deveral times. He was said to have fretted a good deal. I found him quite fretful from uneary feelings, I believed; but hoped the disposition to conoutsions had passed over. I directed a good dose of castor oil, & if he should be fromish or restless, to give a little pweet spirits of nitre, & to rem to the external applications if required. In the carly part of the afternoon, on calling in, I found him quite uneary. The oil had operated freely, I he had taken some much without being relieved so much as I hoped he would be. I therefore directed one drop of landamum to be given. Late in the evening, I called again, & seas much alarmed at his ortustion. - It is here newssay to state that two of the other children, viz. Eliza. with I questavus were now down with calarrhal fover. I had on the preceding evening bled Elizabeth I blistered her on the breast. What then must have been my anxiety to see this little suffered after has. ing already gone through so much, now violently siged with the same disease! His bristhing was aptremely laborious, his skin hot, his pulse active, &

This state had been preceded by a chill. I looked at him with feelings of great anxiety; & as I looked it seemed as if every moment brought with it in creasing danged. I do not know when I have been a mon violent & alaxming case. I had him belied freely, gave him an emetic of specas, & directed, if not relieved, a blister to his breast. I expected to grains of specas would have excited his stomach; but his kind female attendants found it newsay to repeat the don here times afterward, making a semple in. The whole. Even this did not excite full womiting; but it relieved his breathing so much, that a blister was not applied.

16th, On my visiting him this morning I was much pleand in observing a favourable change in his symptoms. The activity of his pulse was reduced, I his respiration was for more noticeal. I directed I grains of calomel every 4 hours, until it should operate, I visited him frequently in the course of the day; & early in the afternoon, after the calomel had operated freely, finding him assiduable restless & feverish, I directed him to be put into the worm bath. This was down. He remained about 10 minutes in the bath & was relieved by it. Afterwards small doses of sweet sprints of nites & antimornial wine wine given; & ou visiting him late at night, he appeared so easy, that I ordered the medicine to be continued only when he

be disturbed.

17th. 18th, & 19th. During these three days no material change owned. He went on gradually mending; the he had some slight hims which alarmed his affectionate mother. I found it important to attend particularly to the state of the bowels. Occasionally the warm bath, & bathing his abdomen with landamen, brandy & sweet oil were resorted to. He recovered.

Case of Convulsions from Intestinal Spasm.

2000 mo. 18th, 1821. - Died yesterday an infant of E. C. aged a. bout 5 months. This lovely little creature had been affected with attacks of epilepsy for several weeks before its death. At first several days intervened between the altacks, &, Shat was remarkable, they came on at one stated time, about, or a little after daylight. They came on instantaneously without any warning; & directly after an attack, the child recould be quite sinsible & even playful. From the best judgement I could form of the case, I concluded it was the result of Spann in the bowels, & directed my heatment accordingly. I attended particularly to the dist of the mother, advised abstinence from every description of flabulant Good: &, at the same time, adopted a course of purging with castor oil for the infant, attended to the correction of acidity by the alkalino infusion, as in the case just related, & on assonally employed commentions & antisposmod. ies, as finnel seed tea, assafatidu, H. The spied plaster

with fictions of garlie & brandy, alternated with the oil of amber combined with Landanum & sweet oil, was also used. I frequently directed the warm baths, I as there was, at one period, so much rigularity in The approach of the paroxyoms, I several limis endeavoured to anticipale them by an opiale. But all These plans failed. They gave relief, but did not our The disease. I used several calomel purges in alternation with oil, & the bowels per heft in a very free date. The stook often appeared very natural, while The fits still continued to receiv. I tried the oil of amber internally, & und, very cartiously, anodyne enemata; but without any permanent benefit. The epileptic paropyrms were more frequent. The belly was often tympanitie: & in order to relieve this, I directed that the air shoulds be abstracted from the bowels by means of the dry oyringo - introducing it & then drawing out the piston. I suggested a change of the milk; I for a short time a nurse in the neighbourhood was obtained. This was towards the close of the case, The fits became more I were & distrissing. Luches were twice applied to the head, blisters were placed behind the ears, &, de.; but all in vain - it still grew worso. Between the fits it had Several Spasms or semi-fits - it would occam out & appear to be in pain. The attendants remarked, that they could hear the wind noo in his body! It om time I directed chicken pater instead of milk in any shape.

I a much julap was also used, which, it one time, approved to afford relief: but notwithstanding all this, the little lamb look its departure for heaven.

Dissection . The intestines exhibited strong evidence of having been under the influence of swere sparm. More Than half the small intestines were inegularly contracted & diminished in size - Their caliber being much smaller than natural; the gall bladder contained a light coloured glaing fluid; the heart & lungs were perfectly not unal. I did not examine the brain, as I thought sufficient wedened of the cause of death was found in the bowels. The omentum was found lying closely folded who, in the form of a small rope ; it lay on the arch of the colon. I have given these two cases, the one ormosful, The other unsuccessful, that, in the latter, you might have an apportunity of seeing The state of things disclosed by dissection. In reviewing the latter case, I propon as an improvement, a more early resort to The lancet, instead of leeches. This would, probably, have induced relaxation, & empabled the other remedies to act more effectually. A blister to the abdomen might have

had a salutary influence.

I have since attended a case of this kind with De.

Wood. I proposed the land-not with a view to guarde
against inflammation, but to resolve spasm, & to put
the applien in a condition favourable to the operation of
antispasmodis. We derived great advantage from the much

gulap, landamen, & a large blister own the abdomen. General Principles. - If then you are called to a child affected with spile plice fits; if the conversions are han sint, & are not succeeded by coma; but the child recovers its reason immediately after the fit, appears port, & looks about him as if nothing had happened; &, at the same line, the bowels are affected with pain & acidity, you may fairly conclude that the disease is the result of intestinal phasm.

Indications. - In a case of the kind I have described, if it be obstinate, you should relax spasm by V.S., or leaches & the warm bath; consent the borsels by means of calomel, oil, oc.; apply a large blister over the abdomen; court acidity by the constant use of the alkaline infusion; allay puin by opiates given by the month, or in the form of anodyne injections; assolve show by the free use of musk, oil of amber, & lac assafatida, particularly the latter, administered both by the month & in the form of enemata; use the oil of amber, landanum, & sweet oil, or garlie & brandy, externally; &, if the belly be tympanitic, extract the flatus by means of the day organize.

Swill, now mention two other cases of a mixed nature. Case of M. R. s. Ohild. _ 1st mo. 1822. I lately attended the child of M. R. with crowp. I resorted to V.S. blister to the theoat, calonel, antimonial point, sencka, He. The symptoms of crowp went off, but were succeeded by strong convulsions. On enquiry, I found the stools were very acid, & the shild avidently had pain in its bowels. I laid aside

all treatment for crowp gave a tea spoonful of the alkaline infusion frequently, resorted to the worm bath, & applied very freely to the spine & breast, a liniment composed of oil of amber & landamers of each a tea spoonful, owel will & brandy, of each a table spoonful. Poulties of bread & milh seith the oil of amber were applied to the feet. In addition, the las assorpation was given both by the mouth & rectum. A surprising change for the better enough, & the child happily acroving. How important that the plan of treatment was changed! What would have been the consequence, if antimonials, calomels, senda, or, had been continued!

Case of Catarrh and Colic.

Imo. 20th, 1822. While I was almost yesterday in the country, a sucking infant of A. F. was attacked with sween dyspina & five. My friend & former pupil, De. Emlen, saw it for me. He directed bleeding, a cathactic, antimonials, &c., to subdue the inflammation. I saw the patient with Dr. Emlen the following evening: It was then extremely ill. On examining the case I found that the primary affection was removed: but the little custure, as I listened to its language, told me that the bound were in a state of great pain - in fact, I saw a counterpart, almost, of M. R'o child. The sloots were green. I proposed the same general plan of treatment, as in the preceding case, viz. The alkaline infusion, lae assafactida, & the liminant und externally, &c. The result was most happy - he recovered.

Case of Dysentery and Mania.

I have before stated that sparm of the intestines is sometimes manifested by sympathetic affections of remote parts. In order to illustrate my position, I will notice the case of I. G's child who died under my caro. It was affected with depention symptoms; &, in The progress of the case, became delirious. Post treating it with a view to dysentery, the symptoms abouted, & I suppoor that the patriot was convalescent. But soon after The child grew worse, & became completely maniacal; to much so that it was really distressing to see it. It showed a disposition to snap & lite like a dog at shatever approached it. Under these circumstances, my attention was shong. by directed to the head. I supposed that there must be some serious serebal affection to produce such a train of symptoms. Notwithstanding all my afforts, however, my little patient died. I obtained permission to open the body I examine not only the brain, but also the abdomet. There was no vistige, or if any, very slight masks inded, of disease of the brain. This was the conclusion of both Dr. Hartshorne & myself. But the small intestines exhibited, at once, marks of the most violent sparm. In several plans, for an inch or two, their caliber was diminished almost to the size of a worm, & nearly half their length appeared as if a topo had been hid round the gut. The brain was sympathetically affected, & the maniacal symp lows aron altogether from sever spasm of the bowels.

Reflecting on this circumstance, I refollected a fact shick occurred when I was a child. I had a favorinte peop shick, on one occasion, running into the street, was trod on by a horse. I saw forward to snatch it from danger, &, in the agony of the moment, it single & list me, its protector & master. This, I have no doubt, was the result of severe poin. Now the bowds are a tender & wital fact, I want plant, it with is like a pinch to them, & must cause a wast deal of pain.

Syears of ago, under his care, who continued maniacel for I weeks; when all the symptoms of mania disappeared in consequence of a free discharge of ascarids from the rectum. This is another proof that initation of the bowels may exite a sympathetic affection of the brain. Shirt may waite a sympathetic affection of the brain.

Ly the introduction of improper articles into the stormarts, independent of more flatalent food. I will read you a ease which fell under my notice in consultation with Dr. Emlen, in the spring of the year 1821, in which dish was produced by eating an enormous quantity of orange pul. Death from Orange Peel.

Interesting infant, was attacked about 3 o clock yesterday morning, or at that time was first observed by the purel to be unwell. She had, it oppears, a hot skin & sich otom-

ach, '& comited some undigested orange feel. The parents recollected that, The preeding morning, she had picked up the skin of an orango; I The little creature was in the habit of devouring every thing of the kind that came in her way. Dr. Emlen was called early in the morning. He found her with a suffused, purple face, & a pulse so feelle as scarceby to be felt, & too frequent for animeration. He very prope only, land her gums, & Then, after having ascertained The fact relative to the orange peel, gave an ametic; ordered the warm bath, sinapisms, injections, & castor oil. After. The operation of the emetic, the had the stoots consisting principally of orange peel. I was called in consultation about 11 o'clock. The pulse was not puchtible at the prist; the countenance was lived; the innount land was, at times, in extreme pain, origing out in the most distress. ing manner: It seemed on the borders of convulsions, tho They did not our. We both suspected the horsels to be the seat of the disease, & directed our attention to procure evacu. ations by means of oil & injections. A spirid plaster was applied own the abdomen, & three drops of landamum seen green by the month: but soon after this, death closed the painful struggle.

Dissection. - The intestines exhibited marks of having been affected by spasson. There were two portions of the small intestines in a state of inter-susceptio. Dr. Harlan, who made the dissection, opened the small intestines with a pair of scissors from one and to the other. They

digisted; also worms. There is thong reason to believe that the orange feel was the cause of death.

There now spoken of spasmodic affections of the intestines in children: I have also spoken of the some complaints in adults, as illustrated by cases of colica frictomen. But there is one intensting case among my notes which I will read to you. It proves that adults, though less sensible to the attacks of disease than infants, may be effected with spasmodic complaints of the bowels, which may gradually distroy life.

Case of Spasm of the Bowels with an Obstruction of the Ductus Communi, Choledochus.

J. C., about 40 years of age, a very stout man, poar public to occasional spells of violent colic which generally terminated in a few hours: but nothing would retire him till he had vornited like very co-prously. A few days before his fast confinement, he had diarrhad, for which he took some abubart. He such for Ir. Lambert the 15th of 12th mo. I saw him on the evening of the 18th. His pulm was very feeble, a his whole sighten prostrated. This pulm was very feeble, a his whole sighten prostrated. This promach rejected every thing: he had prejuent small stoots; but they were entirely distitute of bilions lings - or o bile was vomited. Various attempts were made to relieve him; but in vain. The secretion from the hidneys was ouspended for about 80 hours; but the day preceding death it returned.

He complained of one sore shot below the epigastrice

Dissection . - The small intestines were found contracted in several places. In some parts the diameter pour lemined, as if a piece of broad take had been passed round the bowel so as nearly to obliterate its cavity, I at these points the intestine was thickened. The color contained a quantity of toft pasty feecs. The gall bladder per enounously distended with dark bile. The panarias pear enlarged & hardened, & caused in consequence, nearly a total obstruction in the duclus communis choledochus. The pancualie duct was open. The liver presented a pateral appearance. The villous cout of the planach was covered, in many plans, with patitus of dark coloured blood, very similas to what owns in some cases of malignant frew. Causes. - It is probable that spasm, in this case, took place in consequence of a want of bile, resulting from a partial obliteration of the duct. Bile is a necessary stimulus to the intestines. Departed of this they become dibilitated. This debeilety inclines to spasmodic action; & the patient is gradually worn out by the pain he must necessarily experience. At first the passage through the duck was found by vomiting, & temporary pelief was afforded: but when The obstruction became so great as not to be overcome by the efforts of nature, the patient gradually sunk.

Constipation.

Hitherto I have treated of constitution resulting from inflammatory action as in personilis, or from spann, as in the various cases I have delaited. But I shall appropriate a portion of the present between to the cound. eration of that species of constitution which occasionally ours under a very obscure form, & which may be confounded with a disease entirely opposite, even with diarrhaa. It is a fact which I am enabled to assent from some experience, that fews may accumulate in the colon or recture, & There prove the source of quat initation. The consequence of this initation is an increased secretion of fluids from the mucous cost which passing between the side of the bowel & this inparted mass, may be discharged for anum, & the practetioner, if not aware of the circumstances of the case, may undestake by astringents to check the discharge, when diretly opposite treatment is demanded. This affection may approach in a very insideous way. A person may have daily evacuations from the alimentary canal; I it may happen that he will discharge a part & retain a part, till petimately the condition alluded to is induced. More may easily suppose that much pain & suffering must result. That the patient will make great efforts to processe discharges; and

that he may have liquid ones, lent without whisp. The nughtoining parts also become affected - The presoure of the feers in the restrem may irritate the bladder, & disease of this organ may be suspected as The sole cause of the symptoms. The same remark will apply to the whim system. More will find a discription of this disease in the London Medical Observations & Inquiries. Dr. Folhagell relates a case of the Kind. He was called some miles out of London to visit a patient offerled with destinate dearthord which had resisted a variety of heatment. He found the patient in great distress. Deceiving no relief followed the liquid discharges, his attention was directed to the cause; & he support that the whole depended on the presence of inpailed fews in the bowels. With this view he told the apprentice of the apothecary to introduce his fringer justo the preturn; I it immediately came in contact with a man of hardened fices. By his finger & other means it was broken down I removed, & the patient was relived. In the same volume, perhaps, you will find an account of a lady similarly affected; but with symptoms very obscure. At one time it was supposed that the utims pas diseased; at another, the bladder. Much was done, but nothing gave sulif. Some months glapsed before a practitioner was called in who understood the nature of the case. He puspected the presence of impacted fees; & an examination discov The mass was removed; but too late to save the patient.

I was aware of these cases in the oarly part of my peace ties; & it so happened that this knowledge was of great importance to me in heating the disease. One of the first cases which fell under my observation was that of is. I. Some weeks after partiration, the was attacked with great pain & distress in the abdomen. The told me that The laboured pender a putrid lax: The gave it this name on account of the fetor of the evacuations. On enquiring into the case, & finding that she had been affected for Some time, & no which had been experienced, I susparted at once the presence of hardened feers in the bowels. At the time I was called, she was taking opium, port wine & back, with a view to strengthen her I check the lax. I explained to the patient my views of the case. The was able to comprehend them, I fully disposed to enter on the plan of treatment forposid. I first directed cathactic pudicine; & oil was The article employed. It was retained by the stom ach, & according as we had anticipated, brought away from the bowels a longe quantity of fuelent matter, to the indiscribable relief of the patient. She told me The suspected the mass had remained in the bowel 5 weeks: & when it was discharged, the first evacuations were so fitid as almost to make her faint.

About the same time, I was called to a little

But from the fact that no relief would from the evacuations; that the initation was still kept up; I that so much fewer was present as to require the lancet, I suspected the existence of accumulated feers. Accordingly cathacties & injections were administrated till the discharged large quantities of feculant matter, Affer this the recovered. Significants of enterities occurred. I she arguind several bludings, the warm bath, & a blister to the addorner.

I have sometimes known a quantity of inducated fews to be actained in the rectum without very serious consequences. An old acquaintance applied to me in consequence of a constituted state of the bourds. I directed wathartic medicine: but there seemed to be some impediment to his evacuation. I explained to him what I believed to be the nature of his case; I with his own finged he broke down the mass, I relieved himself from his complaint.

Thave known this affection to own in children. I once had under my care a little boy who complained of great distress in his bowds, strained very much at stool, & passed a little blood. Tinding the initation was kept up notwithstanding the discharges, I suspected the presence of hardened fews. Injections were thrown up; but they seemed to much with some impodiment. On examination with the finger, my suspicions were

desout spoon, I oriended in breaking down the mass of bringing it away. Purgations afterwoods relieved him endicity. The drit was now made soft & lagalion; & he constitution was probably or assound by the proof milk as his drit had consisted principally of that article. I have since had several cases which originaled from the same cause.

From there cases you may understand how newsawy it is to be on your quand, when called to patients apparently labouring under diarrhaa; & how important to distinguish the two complaints. There is a material difference in the symptoms. When I shoke of diarrhoa, I observed that the patient felt considerable uncasiness when he went to stool; but that the discharges pero free, & relief was, in consequence, experienced. But in the complaint now under consideration, there is great straining & distress; the patient has liquid evacuations, it is true, but they afford no relief.

After ascertaining the notion of the complaint the treatment is obvious. If the mass of fews is high wh in the colon, you must depend on purgalives & injections. Either cartor oil or sunna, or jalah with cream of lartar will answer very well. If the furtent matter is in the cutum, you may bring in the arristance of mechanical incans. The varm bath may be used to began relate, be.

There is one condition which may be confounded with this deseption constitution. I allude to hove execriations about the verge of the arms which sometimes occur in depenting & dianhaea. The ohin in this part is very tender, &, if excounted, will cause extreme pain after every effort to evacuate the bowds. The patient may have a fee discharge; & yet will remain a long time on the close-dool, & will expense quat initation & distress. I have mentioned the case of a young gentleman, about I miles from the city, whom family as well as himself expunered great alarm on account of the excession pain which followed every attempt to pass his fews. From the amount of the patient, I was induced to suspect excoriation; & on examination, found it to be the case.

Nothing more is newsoary in such cases than to anoist the parts with a mixture of laid & landanum, or to apply a soft poultie to which landanum may

be added.

Dyshepsia.

Dyshipsia may be defined to be a disease in which the stomach is incapacitated from digisting the food presented to it. The consequence is that very considerable desangement of the animal economy naturally results: because the influence of the stomach over the whole system is, as you are all award, truly quest.

I shall commence with taking a view of the causes which have the most important agency in producing the disease. The most prominent of these, & one on which I wish particularly to dwell, is derived from the operations of the mind. The influence of mind over matter is very quat; & the stomach is often deriously affected by mental operations - many of these have an important agency in inducing dyspipsia. Excessive mental exertion, whether on subjects of a pleasurable or painful nature, but particularly the latter, may be argarded as among the most common causes of the disease. Severe study & close confinement operate very unfavourably on the otomach. Hence it happens that hard students are very aft to be affected with dyspepsia. Professional men whose our pations had to much mental exertion, especially when they do not use much bod. ily exercise, are liable to suffer from this complaint. Physicians, though they mussarily use considerable exercise in attending Their practice, yet driffer do much anxiety, are harrassed by so many cour, that They are puliarly liable to be affected with indigestion. Long continued dipression of mind is a cause which I have often seen to operate when it was out of my power to afford ulif. I have been it in some of our ominant men communical men who had been unfortunate in their business. I was one day called on by a respectable muchant of this city, who told me that he was affected with a complaint in his breast, & wither to consult one on the propriety of being blid. I soon, however, found that the stomach, a not the breast was the deat of the dinase - he was

in consequence of failure in his business. Disappointment of any hind, but-particularly of the tender affections, may be

Mon should always remember the astonishing influence which the mind exects over the complaint. The practitioner may go on dosing & dosing, till he has administered every variety of medicine, & yet produce no benefit to his patient: whereas, by taking a just view of the case, & examining into all the means of which, he may be the donner of health & happiness to his patient, without being in the necessity of calling in the aid of medicine.

Besides the mental affections there are many other counters which discover attention. Intemperances in cating & dinking of the stormach, & lays the foundation of obstinate dephipsia. Sometimes indigestion from strong drink gives wire to incurable discose. Voracious eating, by shich the food is not properly masterated, & an extremely foul state of the mouth, owing to the presence of a number of dreaged teeth, & a neglect of the proper ablation, may be encountered among the causes which give rise to dephipsion.

Grant & theumatism translated from muscular fracts, or casionally lake possession of the stomach, & produce all the symptoms of indigistion. I have known cases of this complaint whend in by pain in some particular part of the body. Thus I have neitnessed an attack of bumbago, which,

after continuing for some time, has subsided, the stomach has become the seat of disease, & obstinate dyshepina ensued. The same patient has been attacked with pain in the arm, the disappearance of which has been followed by an attack of indigestion. It have known an attendation of symptoms. The stomach being whived by the occurrence of pain in some other part & vice versa.

No doubt here are many other causes: but I shall be content with those I have enumerated, referring you to book, for such as I have omitted to mention.

Despepsia generally commences by a depression of spirits, which is unaccountable to the patient. He not unfrequently complains of a since of distress & load at the stormach; sometimes of vertigo & pain in the head; or, as in the case of the muchant just mentioned, the disease is refund to the chest. But a medial man will generally discover the true dest. He finds whon closely examining the patient, that he is affected with uneary pensations in his stormach after cating; that some and acrid questations occasionally take place; that the bowels are often painful in consequence of distension with flaties, & That the evacuations are small & discoloured. Obstinate constipation is a frequent attendant. Sometimes The evacuations are natural & of daily occurrence ; but even in these cases they are generally small. This fact proves that dyspepsia may exist without any complaint of the liver; though hepatic disease has great influence in producing the complaint - of this, however, Ishall speak more at large on some future occasion.

The tongue, in dyspersia, is generally more or less fund, not only in wort cases, but also in those of a chronic character. But in dome instances, I have are the work cases, instead of the fund tongue, we find it smooth, red, & glassy. I have seen this occur in cases brought on by hard drinking. Which terminated fatally.

tendant, is a want of action in the entaneous vessels. Patients with this disease, are aft to have cool ohins, I are almost always troubled with cold feet. To the latter I wish particularly to call your attention, as an important part of the cura-

tion plan is founded on it.

As the disease advances, the patient is effected with an indiscribable distress of stormach, particularly after eating - it is
not an acute pain, but a disagneable sensation, difficult
to define, yet perfectly understood by those who have felt it.
There is a sense of weight & distress about the region of the
spigasticum, Shirk paralyses all the energies of the minds &
leady. Along with this, executations frequently occur, & sometimes spontanions vomiting affords whif for a short time.
This discharge is often extremely sow; so much so, that I
have known the teeth as much on edge, as though the month
had been washed by an acid.

Some patients are very much affected with pain in the bowels in consequence of the collection of flatus, by which they are so distinded, as to be sended unable to discharge this

contents.

Although vomiting, by throwing off the course of offence, is, in many cases, the only plan for obtaining immediate relief; yet strange as it may appear, some patients obtain puling by taking food into the otomach.

In aggravated forms of dispersion, the system is sometimes very initable; & so much arbital initation takes place, that the complaint is occasionally mistaken for fever. In cases of long standing, severe palpitations of the heart are not uncommon attendants. Some patients are affected with a loss of appetite, & a total indisposition for food: others, on the contrainty, have a morbidly increased desire for food, & indulge in esting to excess, to their own great disturs. The complaint is generally attended with loss of colour, & much emaistion is frequently the woult of its long continuance.

Those met with some instances of desphésia in young children. In one of these the disease was mistaken for a fibrile condition, I heated awardingly, with nitrous powders & antimonials. On seeing the case, I taking an account of all the symptoms, I was convinced that he laboured under dyspefrow. The plan of treatment was entirely changed; an invigorating course was substituted, I the child completely recovered.

I have stated that there is generally a tendency in the disease to paralyze the exertions both of body & mind. This disposition to inaction requires on the part of the patient, thong efforts to resist it. In fact, his life frequently defends on his determination to the against it. I have known persons to give up the contest, yield to the force of the disease,

go to bed & die. I fully believe that some years ago, but would have been my dituation, had I not been influenced by powerful motives to exection. It one time my friends thought me danguously ill, & many of them calculated certainly on my dying: happily it never entired into my calculations that my complaint would terminate fotally. I was a hurband & a parent, & the welfare of a vising family defended wholly on my exertions. I resolved to with purpose the fatigue of mind & body I underwent at a time when all my friends thought mic unfit to be about, & were convinced that I was labouring under a mortal disease.

Cheerful company & conversation have a most happy influence in dissipating the distress to which desphifties are subject. I have frequently when harrassed by such unearly feelings as I have alluded to, gone into the company of my friends, engaged in some interesting subject of conversation, & forgotten, for a time, all my troubles. When the conversation ceased, the mind returned to its former condition, & I again experienced all that sense of uneasiness & distress, before so prominent.

As a consequence of dysphosia, we often find the mind partially decanged. Hypochondiasis is a common result. I the most fearful apprehensions of wil are indulged by the patient. This, however, is for from being invariably the case. I have sun many desphostics without a single symptom of hypochondiasis. I would here impress on you the vost

nature of the dolorung. I supposed that it was a debusine sensation, depending altogether on disease of he stomach. His physician, however, had been led astray by his representations; & a practice had been established as disagreeable to any feelings, as any that could possibly be imagined. A dictor needle, armed with a shin of with, had been passed through the foot from the top to the bot. tom, between two of the metatarsal bones, & the silk was suffered to remain! It has been in harvest time, a allowed to remain several weeks during the warmet part of summer; & all this time, The patient was confined to a rigidly low dit. It is almost a miracle that he escapid tetames. The practice could be justified on no ground whotever, & was totally irreconcilable with every sound principle of medicino & surgery.

time; after various plans of treatment have been tried, & all have browned unavailing, it not unfrequently hoppens that the stomach porthant any known cause, assummer a healthy condition, & the patient is relieved. Sometimes I have known the occurrence of a spontaneous bitious diarshoa to produce a cure of dyspersia. In other
coses, great debility & emaciation occur, the bounds become
initable, the tongue assumes a smooth & and appearance,
denoting an anythematous condition of the alimentary canal,
& the patient dies.

Dyshipsia is often complicated with pyrosis. An attack of this complaint generally comes on in the way I shall

mention: after food has been taken, which proves offersie to the stomach; after the sensation of weight & uneasiness has occurred, the patient will feel a disposition to Throw off saliva. This continues to be discharged for some time, till at length, the patient all at once feels sinsible of something resimbling a spasm of the stomach. I have in my own case been as sensible of spasmodie action in this organ, as if I had seen it contract. At this time there legins a free discharge of limbid flerid from The mouth; I if the patient remain quiescent, it will run out in a stream till it has made a little puddle on the floor. This state of things lasts only a short time-generally from one to two or three minutes, & very seldom longer than five. By this time the spasm is relaxed & the patient relieved. The feelings of distress preceding The water brash frequently continue from an hour to 1 or 2 hours. Occasionally I have known the contract. ion to go on to far as to produce womiting. The matter discharged is generally as acid as can well be concured - Cardialgia often attends This diseaso.

period; after the stomach has been subject to great distress, & the body is much emainted, it happens that the parts connected with this viscus become periously discord. I have, in my collection of morbid anatomy, a stomach in which the pylorus is anormously enlarged. The case of the patient I will detail to you, & whilit the preparation at a future between In this instance distress of mind

sumed to be the principal agent in producing the disease. I will here make a remark which falls, in part, within the treatment to be pursued in the course of the disease. This is to caution you, in the thought terms, against the practice of allowing dyspeptid patients to habituate themselves to the use of ardent spirits in any form. Some most lamentable cases of this kind have fallen under my observation. Patients suffering sweely from distress of stomach, & depusoion of mind, are sometimes advised by their physicians to make use of ardent spirits, with the view of obtaining relief. This prace tie has laid the foundation of a great deal of drunkenness & subsequent minny, & has distroyed the usefulness of many Who would have otherwise been useful members of dociety. I have an atter abhorence of every thing like intopication; & I should were be agraid to trust migself so far as to implay brandy & water for my complaint. One glass affords so much relief, & produces so great an elevation of Spirits, that the patient is most strongly tempted to repeat it, till he is, at length, landed in habits of confirmed drunkenness. Thave seen this happen in gented life, & to finales as well as to Show of our own dex. A lady affected with dispersion finding that a little Holland gin produced a very comfort able effect on her stomach, whenever she experienced an attack of pain, very innountly assorted to this article. The went on gradually increasing the dose, till at last the was in the habit of drinking half a gallon of give in a day, Bultimately do-Stroyed harsely by the practice. When I first saw her she was in a state of infantile weakness; her circulation was ex-

cudingly feeble & irritable, & her tongue was smooth & red. She soon died. Before death there was an extraordinary loss of power in the limbs. The same thing happened in the case of a gentleman who was subject to despepsia & became a victim to intemperance. At times violent pains would altack his limbs & have them uttity powerless. His condition was portched in the extreme. At length he lost the command over the ophineter ani, & it was newsoany to emplay dispus with him as with an infant. In another case, That of a gentleman of this city, & much employed in public affairs, the same thing occurred. He was led innocently into the practice by experiencing great relief from small quantities of spirits; & excused himself by stating that his physician had accommended this plan to him in the commencement. This, however, the physician informed me was not the case.

I will here adate to you an ancedote told me by Dr. Parke who when a young man pursuing his medical studies in London, was intimately agrainted with Dr. Inc. Fothergill spoke to him in the highest terms of the advantages to be derived from the use of brandy & water in dysphosiw. Dr. Parke usided a considerable time in London, When he was about to return to this country, Dr. Fothergill took an apportunity with him purposely to do away an error into which he had hed him. In the course of his practice so many of his patients had become habitual drunkards that he considered it his duty to express, in the strongest terms, his decided

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disapprobation of the plan which he had before recom-

Before entering on the treatment of dyspepsie, I will take occasion to make a few observations on the importance of distinguishing between coli arrising from an accumulation of flatus in the bowels, in other words dephiptive colie I that which depends on an inflammatory condition of the system. A patient subject to despensia is occasionally affect ted with the most exerciating pain in the bowels. The practitioner called in under these circumstances, aware that little defendance can be placed on the pulse in affections of these parts, is aft to be led into the belief that there is a great deal of inflammation, & that it is mustary to resort to the lanet. If it be a case of dyspetitic colie, this pentin is calculated to do more harm than good. For, so far as my observation has your, dephipma is not a disease of high inflammatory action; but, as a general rule, depends on a diminution of tone in the digistive pystem. Now, in what manner shall per distinguish the one from the other - how know The difference between dispetie colie, & that arising from an inflammatory state of the intestines? We shall generally be able to distinguish by making inquiries as to what pur ceded. If the patient has been subject to dyspepsies, & was at the time of attack labouring under the complaint; if he has been repeatedly affected with severe pain in his bowels, particularly after cating, & if this has soon disappeared either with or without a discharge of flatus, we may very fairly consider the case as dyspetitic colic. In enteritis, on

the contrary, often the disease sets in, it putty certainty advanus to a fatal termination, or a recovery takes place. There are more of those sudden transitions from pain to comporative case that you find in dispersion. It is important to distinguish between the two affections; because bleeding which, in the one instance is the grand remedy, in the other can do no good & might produce much harm, especially if the case has been preceded by condiduable debility.

I will now for a few moments, call your attention to the physiological consideration of some parts of this subject. Yourare awar that among the old physiologists an opinion was entirtained relative to digestion, diffiring materially from that which is held by the modens. It was supposed that furmentation had a great deal to do with the digistive process. But the experiments of Spallangani & others dissipated This delusion, & clear by proved that the phenomina jour all defundant on The solvent power of the gastrie liquor. Now This I firmby believe to far as # regards the operation of the stomach in health. But I also believe that in a state of disease furnistation may go on, & that articles which wadily undugo this process, if introduced into the stomach, will aggravate the complaint. Moreover, I am of the opinion that the stomach itself, when in a disordered condition may sucrete an aid which may be the cause of great distress to the patient.

By consulting Spallangain & other experimentalists you

will find it established, that the stomach degets certain kinds of food much more easily than others; &, as a passing remark, I will otate that, if my resollection is correct, Shallangani found that the aliments which longest wisted the action of the gastin liquor, were such as had been exposed to the operation of prying; for inStance the crust which usually surrounds real cutlet.

In considering the treatment proper for dyspepsia, in choosing that hind of dit which may be suitable for the frateent, it is mussary for physicians to take all These circumstances into view. In a system of district text ment, he would right all such articles as are likely to pass into the actors furmentation. Hence one of his first direct tions to the patient would be to repain from all fresh fruits I vigitables, such as cabbages, turnips, beets, H. And we rareby ever meet with a despitie who does not inform us that he is searchy able to take these articles, particularly cabbage. It is my rule to prohibit them all without a single exception; I do not allow even the potatoe to be eaten. There is another article of dist proper to be remembered - loffee generally exects an injurious influence on the dyspeter tie stomach; I tea also disagrees with many. The black tea, however, is said to be less objectionable Than the green. All kinds of pastry or pye crust should be avoided. The same remark will apply to hot cakes & hot bread, partieularly but wheat cakes & short-cakes. After mentioning so many kinds of aliment to be laid aside, you will be almost ready to inquiro, - what is the pratient to eat? This

will lead us to consider the kind of aliment proper for dyn properies. And here I am proposed to say that, as a general rule, admitting however of some exceptions, solid animal

food, simply prepared is for more acceptable to the debililated stomach than those ausunt aliments just mentioned. Hence beek meetten were to the H. M. It I I

Hence beef, mutton, venison, pouttry, &c. Should be prefered. Brot as I have observed there are exceptions to this kind of diet. I once had a patient who was rendered extremely uncomfortable whenever he took a small portion of animal food, in consequence of the distension by flatus generated in his stomach & bounds. In some cases condiments answer very well; not only salt & pepper, but even mustand & horse-radash may be used. The last is an excep-

tion to the rule retative to fresh vegetable food.

In addition to these you should look out for some farinacious articles which are capable of conveying nourishment pickout becoming aid. Hence the importance of
nice in dyspepsia. If boiled till it has become extremely
soft, it is in some cases well suited to the stomach. It
may be caten with a little sugar & pesh better. Stale bread,
bread made of unbolted flow, putyets, & crackers, are allowable. The latter suit some stomachs very well, with
others they do not agric. Stale bread is decidedly preferable
to offeth & hot bread. There are other articles which an
over very well for dyspepties - soft-boiled, or possible aggs,
are often digisted essily then other aliments are rejected.
Orystess also are, in general, very suitable. Don't every thing
with these depends on the mode of cooking; & there is no

article of food which is prepared more variously. They are frequently fried, I in this state they should never be given to a dyspeptie. Surrounded by that crust Shich was found so strongly to usist the operation of the gastrick juice, & empregnated with a kind of empyreumation oil assetting from the milted butter, they must newstanly be very indigestible. When caten raw they are, on the contrang, very casy of digistion; & they should always be tahen in this state or only olightly cooked. To raw oysters These heard that some object on the ground that they are living, & as Julistanus possessed of life cannot be acted on by The gastrie juice, they must be of difficult solution in The stomach. This is pivolous: after being token out of the shell & subjected to the process of mastication, they cound, I think, possess so much life as to present any obstacle to their easy digistion.

It sometimes happens that solid aliment fill not answer well in cases of disphipsia. Under these circumstances I have found the cosense of beef an excellent substitute. Taken with crackers or state bread, it is sometimes very acceptable to the stomach. Ham is, in some in-

stances, very proper for dispetit.

buted from the table. Others do not occur to me at pusent; if I have omitted any they must fall under. The general rule, viz. That all those substances which are of difficult solution in the gastrie liquor, & are aft to pass into a state of fermentation, must be avoided.

There remarks apply to the meal taken at dinner. But what may be used in the morning & evening, as substitutes for coffee & tea? - and here I would state that there is a qual variety in the stomachs of different individuals. In searching for substitutes for coffee, we must consult the peculiarities of the patient himself. In some instances the rigo coffee, or even that made of boily, or wheat, when well prehand, with the addition of Jugar & cream, will prove palatable & wholesome. Supposing that the stomach will not bear this, we may resort to chocolate prepared to as to be deprived of its oily constituents, or to milk. The latter article of erates on some despeties in the most friendly mannes. For weeks together, when affected with this disease, I have lived almost exclusively on with, & have found it very acceptable. Lime water & with will be found a good substitute for coffee & tea. I have drawn gallows of this article. But substances which agree well at one time are inadmissible at another, & hence it is sometimes newstany to lay aside milk. In such cases per may often resort to the advantage to cream. Milk, you know, is composed of the parts - the serous or whey, the carrows or cheese, & the olia ginous or cream. Hince the stomach in digesting milk acts on a considerable quantity of curdy matter which is very difficult of dolution in the gastru juice. Cream, in a quat measure, is free from this, & will thereford answer in some instances where with is found to disagree. If muther milk nor cream should prove acceptable to the stomach, a breakfast of eggs prepared as I shall mention may be prescribed with advantage. I have often recommended the yolks to be leaten up with loof sugar & warm water, with the addition of ginger or a plenty of neeting, & tahen as the morning meal. The water should not be boiling hot, as in that case, it is apt to condle the egg.

A good deal has been said about the proper hind of food: a question now arises, - what astiles are suitable as drink to persons officiled with dyspepsia? After much experience I have come to the conclusion, that no fluid is to piope, especially at meal times, as pure water taken in moderate quantities. If should never be swallowed in large draughts.

as, in this case, it will often prove injurious.

The stomach will frequently be affected between meals, particularly soon after eating, with those sensations extreme distress to which I have before called your attention. To such cans I have found the ginger tra admirably well adapt. ed as a drink. It is calculated to impart a girial wormh to the stomach, & is prefectly in offensive as regards both the body & the mind. As to spirituous liquors, I have alundy expussed my opinion: that though they generally yield a temporary pelief, yet their consequences are to much to be deaded - The patient who begins to use them is so aft to be landed in habits of confirmed drunkenness, that they should be entirely proseculed in dyspepsia. If stimulating drink is absolutely necessary, unquestionably the best is sound old Madeira wine. It should be however, of the very best quality. The common low wines, by becoming vied, are calculated to disorde the stomach.

So much for the food I drink proper for patients with this complaint. But the dictation plan constitutes only a part of the newsoary treatment. There are other views which must be taken, & to these I now proceed to call your at-

I have before spoken of the state of the menface in dyspupsia. It frequently happens that a collapse of the surface takes place, indicated by the pallid countenance, The cool Thin, & particularly by cold feet. The last is a very general symptom. To restore ation to the extremities is of the ntmost importance in the cure of this disease. For this purpose I will mention to you a very simple & yet ifficacions plan for the introduction of which, to far as I know, we are indulted to Dr. Thysich. The patient is to wear under his stockings, obehs of flamel which are to be well powdered daily with sed pepper. I have seen much good result from this simple reservedy. But it frequently happens, When the patient has been long subjected to cold feet, that the skin to brought into such a state of collapse that the Cayenne pepper is unable to take hold, & the disind effect is not produced, even though the application may be continued for a considerable time. In such cases, I direct the feet to be immersed way day in soarm water, rendered more Stimulating by the addition of mustard, salt, or some other article calculated to produce excitement. The feet when taken out, are to be wifed dry, & the cayenne peppend tooks are then to be applied. This plan Aldom fails to bring about a genial paronth in the feet.

In addition to this, if there appears to be a want, if there appears to be a want of action, a coolness of the Shole surface, I have been in the habit of directing frictions with fine salt over the whole body, till considerable cutaneous excitement is produced. In the case of a lady subject to dephipsia, in show desirty amounted almost to atrophy, I have derived much advantage from the daily use of the third bath bath. It was used by her during one whole winter, I both in her opinion I my own, with a saletary effect. The salt bath

I have prequently premmended.

There are other modes of bringing about heat & action in the surface of the body. Certain kinds of exercise, by giving an impulse to the circulation, & determining to the skin and very important for this purpose. Tumping the ropo is an excellent practice: but what for finales is still better, since it unites usefulness with health, is the habit of rubbing furniture. In the houses of our recally citizens, Show I am in the habit of attending, I often below some particular article of furniture, & tell my female patient that I appet to see it high bright by her own hand. This praction is very unful when you wish to with heat & action in the skin. Riding on horseback also proves very beneficial. Port it is of the utmost importance inghtly to time exercise - to know when to be stitl, & when in action. The physician by an indiscret recommendation of exercise, without reference to the time of using it, may do a great dial of harm, I lay it down as a general cule in diphopsia, that muscular exertion has consider-

able influence in retarding the digistive process in persons of delicate habits. Hence, when you have to manage a system which requires a comunitation of all its energies in the stomach for digistion, you should be very careful how you recommend exercise & musular exection after eating. - I will mention an experiment which illustrates very shongly the position I have laid down. Two hounds were both fed with a plentful meal. One of them was allowed to induly his natural inclination of lounging about the house & sleeping; The other was taken out on a hunt. Offer a certain time had elapsed both were killed. The one which had remained quiet had digested his food; in the other it was found that The digitive process had been suspended. Now from this fact, we may draw some very important practical inferences in the management of dyspepsia. You sie all at once the propriety of advising to nest after eating, especially after dinner. I am not disposed to accommend the habit of invariably retiring to bed & taking an afternoon nap. This I concine to be a bad habit, especially for young people. But great advantage cer-tainly results from remaining at rest for a short time. I know from my own experience that if called to use much exertion after a meal, when under the influence of dispepsia, there will be much distress & the stomach will be very likely to discharge its contents. Always, therefore, keep this fact in view When you prescribe for indigestion.

It sometimes happens that displiftic patients who, through the day, are in the habit of using much exercise & of throwing off their food from the stomach, will neverthers retain the meal taken just before retiring to bed. For persons in full health, dupper is an unnecessary meal, & in plethouse cases, There is some wason to suppose that it has laid the foundation for apoplyy. But with dispetie patients who are aft to womit their food, I do know that supper is offen a unful meal, & is aft to be better digested than any other. I resolled the time, some years ago, when I was very much afflicted in this way, & supper was almost the only much which was so for digested as to carry nestriment into the dystem. The Jupper I have generally resorted to conside when of eggs slightly done, or of systers, Fornetimes naw, some times warmed in the shell, or stewed a little. There are, I know, some patients with whom suppers totally disagree, But This is not the only case in which we find exceptions to general rules in dephipsia: for the stomach is exceedingly oupricions & often bets rules at defiance.

Now, the digition of the displatie is specifically different from that of a hard labouring man. The kind of food buit-ed to the former, the latter, particularly when compelled to use more than a common proportion of exercise, would generally dislike. The labourer requires strong aliment - something that will keep his stomach employed, something that he can ful. To support him under powerful exercise, an approprie ate stimulus to the stomach seems to be necessary.

Having said thus much relative to exercise, I will pass on to the consideration of another subject. In the commencement I told you that causes operating on the mind, and particularly those which occasion a state of mental anxiety, contribute qually to increase the distress of dyspepties, & may

sometimes be ugarded as giving origin to the disease; that in some cases the causes are entirely beyond our control; and That in others we can do much towards soothing the onind & inducing a train of pleasant thoughts. Hence the advantage of havelling, By the change of Dune & the variety of occurrences the mind is called off from its attention to those objects which have a tendency to deputs it, and to aggravate the complaint. But merely to travel is only ascomplishing half the desired object. When you advise a patient to take a journey, you should not be content with murely sending him forth to travel hither & thither, with no other and in view than simply exercise. He should be advised to make a journey to the sea show, which I highly are omment; or directed to some mineral spring, & impressed with the belief that the waters will be very advantagious to his health. I am inclined to believe that the change of suns, relaxation of mind, & The pleasures of society, have as much to do as the waters Themselves, at most of our Summer assorts. Come of the opings, however, are to be excepted. The waters of Ballston & Saratogue are highly charged with a number of medicinal articles. They frequent by operate as a calkartie, & in this way prove useful in many cases. They are also chalybeate & impregnated with carbonic and gas; & on both these accounts are well calculated to que tone to the debilitated stomach.

in dishiplied cases, it is a point of the utmost consequence to attend particularly to restoring them to a proper condition.

In the commencement of an attack, when the patient has a good deal of vigour, much advantage may result from taking cathartic medicine, so as to keep up module purging sural times a week. But in cases of a chronic character, it becomes absolutely necessary to put the bowels into a peoper state. How is this to be done? Is medicine always necessary? If they can be kept regular without resorting to medicine, we should certainly not employ it. By requlas habits much may be accomplished. The despeptie should habituate himself to go to the pring every morning whether he has a call or not. In this way the habit of daily evacnations may be established; & at length the bowels will ful as uncomfortable if the custom be nighted, as from The infraction of any other habit. Sometimes, horowed, this plan is insufficient, & medicine must occasionally be to him. Itanding first on the list as combining both a cathatis & tonic power, is undoubtedly chubach. This may be taken in several ways. The best plan is to take orwered simple shubart fills every night at bed time, so as to procur one or two evacuations in the day. Some patients prefer chewing the root; others again like it lest in the pulveriged state; & in this respect the taste of the patient may be consulted. But care must be taken, even in the use of shubart ; for the bowels may become so habitualed to it, as to be unable to do without it. An old lady whom I attended at times for several years, informed me in her lastillness that for 30 years the had been accustomed to late a dose of shaleach every night; I the practice was continued till within two or three days of her death. So thoughy was the habit fixed that it was one of the last given who. The was between 70 & 80 years of ago.

The addition of a little soda in the state of out earlonate, is some times useful. I have used with smuch advantage fills made in the following manner:

Take Phubart.

Subcash. toda exsiec. āā 3 t

Saponis - gp s. M. f. pil. XX.

Instead of this, some patients will be as very well a combination of alors & rhubarb with a little calomel.

Fahr Alors

Mulail

Sulcarl. Toda expice. āā Jij

Calomel - - - gr X

Oil caraway - gut X

Extrast Gentian. g. s. M. f. pil. XI.

This is one of the best formula for compound purgation pills that you can arost to. I will mention another formula.

Jahr Alou

Mulaib āā - Fi

Gambago go V

oil of caraway, gut. X

Mix and divide the mass into twenty fills, two of which may be taken at ones & aspeated as often as circumstances seem to require. The following formula may also answer very pull:

The Sal Cinchonin, 3½

Sub carb. Ivda, exisi. 31

Bapricum

Canyoph.

Alor Soc. āā gr.X. M. f. pil. XX.

Two of these pills may be taken three times a day. you may, in some cases, advantagionsly use the following:

D. Sal Cinchonin. 311

Sulphas Ferri upic.

Capricum āā 31.

Caryoph. — gr X M. f. pil. XX.

In some dyspeptic cases I have found the discharges ocey small & very dark. Here, before petting the patient on
any important treatment, it is right to bring about a change
in the bilious prontions; & for this purpose the plan of there are
there very well. This is to give calonel in small dons frequent.
by repeated, say to of a grain every half how, title two grains
have been taken, & next day a little shubarb, & so on. This
will generally correct the disordered action of the line, to produce yellow & more copious stoods, & thus have the pay for the
administration of remedies to ast on the stomach. So much for
the bowels. I aught to mention, however, that come stomash
will not be a medicine or food. In these cases the nitro-meriate aid bath may be used as a pediluvium, or with frictions
over the region of the live.

I have told you heretofow that in many cases of dyship-

feeling of indescribable distress, to be conceived only tay those who have experienced it. To remove this sensation many persons are in the habit of resorting to spirituous liquors Shirt generally yield some temporary relief. You already know how highly I disapprove of this practice. I now weigh to call your attention to such remedies as will give while firthout any dongu to the morals. Various antacids are useful for this pur pose. You are well award that both the vegetable & mineral alkatis have the effect of correcting acid. The same may be said of the volatile alkali. Magnisia also has a happy effect in this way. To neutralize the aid of the stomach, & at the Jame time to operate on the bowels, this medicine may be word with great advantage. The calcined magnises may be given in the dose of a tea spoonful at a time. A very hand-Some preparation of this article is what is called Cullen's liquid magnisia. This is generally anoptable to the stomach I has a very happy offert as an autoud I laxative. To on-Iwer the same and I would highly recommend the Sindlity powders. There are prepared by our apothecains in imitation of the celebrated didlity waters of Gumany. One of these powders taken an how after dinner, when the stomach is qualty distressed & the bowels are bound, will often prove beneficial. But magnisia & Scidlity powdus are to be taken only when cathains is disirable - sometimes this is not demanded; & then we have reference to Those antacids which do not affect the bowels. At the head of the list, I would accommend the fall of tactor properly

blended with the aromatic spirit of ammonia. In my own case, I have never found any thing to effectual in dissipating the uneasiness produced by aid in the stomach. I generally take from 10 to 20 grains of balt of tartar & add 15, 20, or 30 drops of the aromatic opinit of ammonia, & mix these with two table spoonful of cinnamon water, or simple water. I will give you a convenient formula for administering the medicine.

R. Lil. Lack. Potan.

Sp. ammo. vol. aa 3ij Agna cinnamo. - 3iv

From a dissert to a table spoonful of this may be put into a wine glassful of water & taken at a doso.

In addition to thise I will mention a semedy pohish certainly deserves consideration, & which goes to show that medical men should not too hastily despise an article because it emenates from a pource they may be inclined to treat with contempt. Dr. Rush used to advise us in his between to habituate ourselves to converse with oriess & old comen, as we might drive from them many useful practical hints. Many years ago, in Bucks country, there was an old farmer pho united with his lenoiness that of an empiric, & became remarkable for his owners in the cur of colie; so much so, that he was sent for by all the country around him. The medicine he employed was for a long time unknown. At last it was found to be a preparation of hickory ashes and soot.

One of the first cases I recollect of hearing in which this remedy was tried, was related to me by the late Dr. Woodless - it was that of his mother. The was subject to attacks of colick, & in one instance many remedies had been tried without effect, till this article was resorted to. It produced the desired effect. Dr. Woodless mentioned it to Dr. Theysick when he was pender the influence of dysperpisea, who immediately signed hold of it, & was very much pleased with its influence in his own case.

I direct it to be prepared in the following manner: One quart of fresh burnt hickory ashes & a small tra cupful of soot are to be onized together & water gradually added tett 3 quarts have been used. I then direct it to stand for 48 hours. It may then be decented into bottles & corked who. The dose is a small wine glassful 3 times a day; to be taken after eating. If too thong, it may del diluted with water, to that the patient may take for a dose a wine glassful of such a thought as may be agreeable to him. In some cases of dyspopsia, this remedy produces the most happy pesult. I have seen it effect a cur's of itself, when other methods of treatment had failed. Agentheman fint hither from Barbadoes on account of his health, came under my care with this disease. His stomach was very much troubled with acid. I pland him on the use of the alkaline infusion with a proper diet, & in a short time he as covered. So much was he pleased with the simily that before binter, he deleted a quantity of hickory wood which he took with him to the West Sordies.

There is an article which, I one time, arguined considerable aspectation for the pelief of desphipsies, especially when a crompa.

nied with aidity of stomach: I allude to the white oxide fortnitrate) of bismuth. I have no doubt that cases have occurred
which justify the high character given to it. But there are mamy in which it will not succeed. I have not had much experience with it: but in two cases which occurred to me, it cutainly beamed to produce some benefit. One patient had been
subject to intemperate habits, I was affected with great aidity
of stomach. I have known it used by a lady of my acquaint
anis, who for some time derived wedent benefit from it.
Whinately, however, as is generally the case with such articles, it
lost its effect & was laid aside.

Ju some cases when the stomach has lost its tone & the ape

In some cans when the stomach has lost its tome & the appetite is considerably impaired, I believe that advantage may result from the use of some vegetable tonions, as grassia, gentian, columbo, to. Quassia is one of the last. I frequently prescibe it in sold infusion - half an owner of the shavings to a quart of water: some little orange pul may be added to inveprious the tate. After it has stood a sufficient time, the liquid is to be decented, a used in the done of a wine glossful several times a day. Dr. Wistan was in the habit of employing the extent of grassia. This is a handsome preparation, a from the smallness of its bulk, may be convolvently administered in the form of fill.

The chalybeate preparations may be resorted to when the stomash is weak, & there is no inclination for food. Dr. Rush's edebrated tonic powder was made of got of the rubigo fine, got of powdered columbo, & got of ginger. This is very wrifel in delility of the stomach. There is a gentleman in this city,

Sho entertains the belief that iron in a state of purity, has a. much better effect on the stomach, than any of its chemical preparations. I have oursionally employed it in the shape of filings, & in one can it widently had a solutory influence.

When there is great languor of the stomach & a disposition to pain & uniasiness, I have occasionally prescribed with ad

vantage aramatis in the form of a fill.

Fahr Nutmeg Cayenne popper āā 3 Consum of non gis.

My & divide the mass into treenty pills, two or three of which

may be taken for a dose.

When the stomach is very initable, & There is great diffinity of retaining the aliment, the spired plaster, made as 9 have before told you (see) may be applied with considuable benefit. But there are some cases, happily they are Jus.) in which the stomach becomes so exceedingly initable that no aliment of any kind can be petained. Dr. Wister in his between und to mention a case of this kind, where there was quat danger that the patient would die from manition. After exhausting all the remedies which his judgement suggested as applicable to the case, without any advantage, he determined to let the stomach entirely alone & to nowish the patient altogether by mutitions injections. For mearly 3 weeks the patient was sustained in this way. Rich animal soups, without seasoning of any kind, for This by strinulating the rectum might cause them to be rejected, were thrown up several times a day. Thus the system was

nomished & the stomach allowed to rest-till it had recruited its powers & burome able to relain the food introduced into it. I have in a few cases irritated this practice; but though some advantage proutted, I have never been so successful as Dr. Wistax was in the instance just pulated. I might mention a great variety of other articles which are employed in dyspepsia with more or less advantage; but it is foreign from the disign of these between to enumerate them all. Before bearing the subject of idiopathie dyspepsies, & taking up the consideration of the disease as connected with others, I wish to call your attention to a subject exceedingly interesting: I allude to the caprices or vagaries of the Stomach. I shall com mence by daying a few words platies to the language of this organ. When treating of cholica infantum, you may reedlect that I called your attention to the language of infants, long before they had learned to converse by words. I mentioned that mothers & nurses who have such frequent ofportunities of studying this language, acquire a better knowl. edge of the diseases of infancy, than is frequently possessed by the experienced practitioner. In the same way the stomach has the power of expussing itself. I the physician who wither to become precessful in the treatment of its diseases, must pay attention to its longuage. It not unfrequently hap.

through a long continued & orpstematic course of practice, such as I have pointed out, I the physician after attending them for enough, finds that the disease continues unabated.

This is certainly mortifying. It may happen that anxious

to gain his object, he may still persone, & notwit his patients to a rigid plan of diet; still, puhaps, he does not succeed. At last the patient will inform him that he has felt a very strong propensity for a particular kind of food. Dr., he often asks, may I not cat this? By no means, is the apply - you will certainly be injured if you do. The patient is disposed to submit; but still the stomach calls about for the article, till it becomes impossible any longer to resist it. Trequently, howev. er, we have false desires which may very properly be called The Spurious language of the Stomach. A patient who has long been sich, becomes fretful & uneasy, & decing others en joying themselves around him, without being able to partiapate in their pleasures, sets himself about dearching for some kind of food that may suit him. One article after another lecomes the object of his unsteady wishes, & perhaps he may call for sureal in a single how. This is the specieour language of the stomach, & is rouly attended to without disadvantage. But when a strong propensity arises for some particular article, for which no reason can be offered; when this propensity is fixed & long continued, uniting every conviction of what is proper or correct, & almost compilling the patient to yield to it, we may then conclude that the stomach speaks in the true dealect, & we should always obey its dictates.

not remain on it. Thus I have known a patient who for some time lived exclusively on buf he wild it morning, noon, & night; & it was the only substance which was not rijected after eating. At last, however, the stomach revolted

I what had before been acceptable to it, now proves as certainly emitic as ipersuranted. The same remark applies to other articles. I have known milk for two or three enchs together to be used to the exclusion of all other kinds of food; get at length it became disagreeable & could no longer be used with comfort. Hence, when the stomach calls for certain articles, let the physician remember that they should not be too long continued - they should be persisted in no longer than they are found to be acceptable.

A gentleman in this city was, many years ago, attended

by Dr. a very respectately practitioner, now decased. I have heard the Dr. Relate the ancedote; & the gentleman having since become a palient of mine has confirmed the account. He was affected with dyspepoie anompanied with quat acidity of stomach. The Dr. led him through a long course of antaid medicines, & subjected him to a very sigid treatment. But after he had been attending him for 3 months, The patient was no better. At length the stomach spoke, and its language was insettitele. It called for publis & vinegar - The very articles which, under ordinary circumstances, would have been considered most injurious. He was comfulled by This apparently morbid inclination to buck this The medical regulations. He soon found that the langrage was count; & by persisting in the use of publes I vinegar, in a short time he recovered from the disease. This accedate was retated at a meeting of the College of

Physicians, & gave rise to another of the same nature.

Dr. Hussen mentioned the case of a lady who moved

from deshopsia in consequence of indulging in the use of thong fat pork & Indian dumplings; two articles as little likely to be recommended for this disease, as any two that could be deleted from the whole list of aliments.

Many instances of this kind might be cited, where the stomach has called for a change of treatment, I where the call has been advantageausly obeyed. The great danger is for mistaking the Opinions dialect for the time language. In the one case the patient is constantly pravering in his desires, in the other fixed & unatterable propersity arises for a certain thing, without which it seems impossible to satisfy the stomach. With a knowledge of this fact, The physician will often oueend when others have failed. Hence, in my own practice, after leading the patient through a regular course of treatment, such as has been mentioned, & finding it unsuccessful, I at. tend to the languages of the stomach. I were go to far as to impress on the potient the importance of attending himorly to his disins, of indeavouring to discour whether there is some prominent article for which he has a fixed propensity; & Though this may been improper, yet I encourage him to give it a trial.

Among the vagaries of the stomach, it may be mentioned, that, on some occasions, articles which you would suppose calculated to increase acidity, will, in fact, count the empleasant sensations arising from this source. I have known purified sugar in the form, for example, of sugar conday, to be taken by despeties affected by acidity of stomach, with striking advantage. Similar benefit has resulted, in

some instances from other pacchaine articles, as the different Kinds of jellies. One of these, the Guava jelly from the Wort Indus, is admirable well suited to the dyspetic stomach. On some occasions I have found it to be well adapted to my own case; on others it has been rejected. I was once passing up the river Delaware, & my stomach was in a condition to per jet every thing offered to it - when I felt a strong disno for a glass of limonade. I gratified the disire, & was pleased to find that all the impleasant pensations pure personed. Hence you may lay it down as a rule in practice, whenever an patient labours under dyspepsia, after trying a systematic course of treatment & finding it unavailing, you should let the stornach speak, & you will often be gratified with the woult. Instruct the patient to avoid if possible the habit of vomiting his food. When the stomach becomes initable & very generally rejects whatever is introduced into it, the habit may become so fixed, that it shall look as regularly every day for vomiting after eating, as the bowels do for their daity exacuation. You should inculcate the necessity of overcom ing if possible, this disposition; & such advise to the patient is the more necessary as he is aft to encourage the stomach in throwing off the food, on amount of the great which he thus experiences. I will venture to assert that the patient may do a quat deal in overcoming this propersity to varnit. Sometimes you will find that it cannot be astrained; but at others. The mind has considuable control over This viscus. I have been placed in situations where I have felt a disposition to vomit, & might have done so with the

quatest case, & yet I have restrained it for hours, till atlast it disappeared.

Some patients have largy stomachs which will grumble & growl all the time they are at work; yet, if you heep them to it, they will finally accomplish their task & digest food.

With pegard to medicinal articles too, which are aft to produce naura, I have some experience. I was convalishent from an attack of libious five, when Drs. Wiston & Spriffitts who attended me, thought it important that I should take Peruvian back, elly Stomach nau-beated at the idea: but I was determined to overcome this feeling, & to retain the medicine if possible. Itud it, & was successful.

marks on a discription of dispersia which has occasionally fallen under my notice, & has invariably proved fatal. It occurs generally in elderly prople, between 50 & 60 years of ago, & allaiks the temperate as well as those of different habits. Suppose a man of this ago, who has lived temperately, & has hitherto enjoyed good health, begins to lose his colour, grow thin, & to show a disposition to break. The stomach becomes affected with dispersion sia; the patient has no appetite, & if he takes food it is aft to be rejected. The bowels are often irritable, though they are sometimes constituted. At last comes the red, smooth longue. This is always a bad dign in dispersion, as it indicates an eighternations condition of the whole alies

mentary canal, which it is difficult to correct. The patient, however, still keeps about; though he is very pale & much emaciated or bloated. The lips lose their col. our, & the ears assume a deadly whiteness. The some is the case with the hand; & sometimes I have observed a thickening & chalky appearance about the roots of the nails. The patient gradually becomes weaker; his lips swell; he totally loather food, & at last sinks into the grave. I have seen several cases of this kind, & have treated Them variously; but they have all proved fatal. I have attempted to attend to the language of the Stomach; but it presend as if this organ, having done its days work, had become dumb, & spoke not. The complaint is more common in males than in finales: I have, however, occasionally sun it in women. As somethat connected with this subject, I will here relate a case of which I made a note at the time of its oursened. 1807, 7/h mo. Case of Scirrhus of the Stomach & Mesentery. In company with my friends, Drs. S. P. Criffitts, & S. Duffeld, I examined the body of James Bright who died of atrophy. He had previously been attended for some time by Dr. Opiffitts. He had experienced gion. During his life, a very hard tumour could readily be perceived by pressure on the part. He had diarrhan & frequent womiting. There were deveral conjectures relative to the nature of the disease. It was uncertain whether the turnous was an enlarged love of the liver, a diseased portion of omentum, or, as a French physician conjectured, an enlarged of them.

On opening the abdomen, we discovered the turnour to be the pylones, enlarged beyond what any one could have supposed. The discase extended along the stomach, particularly its lister curvature, & the coats were very much thickened. On laying open this viscus, a large turnour was found on the internal coat, near the value of the pylones - it was equal in sign to a small her's egg. The misinteric glands sumed to have perited in one periform mass of disease. It was concluded they were enlarged 20 times their natural sign. Hence, we were not astonished at the man's death, but we were at a loss to conjecture how life could have been supposed to long as it was, under such distussing circumstances.

I will now consider desphipsia as connected with some other diseases. And here let me remark that in the work of Milson Philip, we read of desphipsia as an inflammatory disease; I a popular description of its regular changes of tages, changes of observable description of the day in Englands. This seems to be the fashionable doctrine of the day in England. We hear of bleeding to reduce inflammation, it. I have no objection to beaches or cups - let them be tried. But I am much more inclined to regard desphipsia as a disease depending, generally, on the want of due nervous excitement; I the disorder of the desption, a state of irri-

tation instead of inflammation. The experiments of Ba-zon on rabbits go to show the power of the news in diges-The first disease which I shall notice as connected with indigistion, is hepatitis. I related to you, in the early part of my observations on despepsia, that I believed it might occur as an idiopathic disease, while the functions of the hier are regularly performed. But the fact is well known to every practitioned that the two diseases are sometimes close. by connected. When we much with them both affecting the System at the same time, it is evident that the practitioner

should direct his principal attention to that which involves The patient in the most immediate danger. Under this view, of the case, The hepatic affection must be first attended to. If you should be called to a patient affected not only with The symptoms of dephipsia, but, super-added to these, with pair & uneasiness in the region of the lives, & with pain darting to the Shoulder; if, at the same time, he should be unable to his on his left side without inducing uneasiness in the right, you may conclude that he is affected with hepatitis, & that the dephensia is probably sympathetic. Having ascertained the existence of inflormation of the liver, your views must now be directed to this as the primary affection. Hence, it will happen that a course of practice will be adopted, which would not be required for idispathin

dyspepsia. It sometimes happens that there is so much vascular action, that depletion becomes absolutely orecessary,

I even the lancet may be advantagiously resorted to. But

the main remedy resorted to with a view to its general opesation on the Diptern, that can be defended on, is the judicious use of mercury. I have seen this remedy resorted to with a view to its general operation on the diplim, with great benifit, in hepatic dephipsia. I recollect an instance which, within a few years, has fallen under my observation, where there was disease of the stomach accompanied with an affection of the lives, & complicated with symptoms of diopsical effusion, both in the abdomen & cellular meson beane; & yet by a proper regulation of the diet with a cantions use of mercury, & afterwards by sending the patient on a journey, there was a removal of all the unphasont symptoms, & a perfect recovery established. In a late case, that of Dr. Harlan, there was an example of hepatitis combined with dyspersia. Many of you know that the Dr. Some years ago, took a wayage to India. Soon after they set sail for home, he pear attacked with the fever of India, & busme ill on his passage. I am indued to believe that wer since, he has been more or less affected with hepatic disease. Lately his mind & body have both been much fatigued. He has been engaged in a course of experiments on absorption, to which he devoted several hours in the day a mid the futud effluira, arising from dissected animals & nausrating tubs, in warm weather. The woult was an attack of dyspersia. and we soon saw that his old enemy, hepatitis, had not let go its hold on his system. There was considerable fewer, & for this U.S. & a low diet were of first presented. But the only unedy which ultimately provid effectual was mercury.

This wight to solivation, did away the dangerous & unpleasant symptoms; & he has since enjoyed very good health.

It should spoken under the head of dispersion, of cardialgue or
heartburn. It is a painful burning sensation, arising prince
pally from accumulations of acid in the stomach blended
with the biliary secretion; & is to be relieved by those remedies which I have before mentioned as useful in correcting
acidity.

Dyspopsia' may also be connected with gout a shewmatism, which may be transferred from newscular or external parts to the stomach. If the gout or cheumatism be located in a safe part, as the extremities for instance, even though the patient should be subjected to great pain, get you should be careful not to attempt, by local applied tions, to remove the disease. For by so doing you increase The risk of a far greater wil - you subject the patient to the danged of a translation of disease to the internal organs, portimelarly the Stomach. When the patient is at all subject to translation of the disease, & complains to you of pain in some external part, content yourselves with applying cotton or carded wood, I by no means attempt to remove it by severe applications. But if you have ascertained the existence of dyspepsia from transtated gout or cheumatism, you should pursue the plan of counter irritation. Endeavour by Cayenne pepper, mustard, or other stimutants to the feet, to prouse a wends on to that part. In addition, the internal remedis which prove effectual in gout & rheumation should be employed; & one which I have found particularly advantagious, is the volatile tincture of quiaium. A tea spoonful of this may be taken 3 or 4 times a day in a wine glassful of new milk, which I have found to be the most convenient which. It sheaths the acrimony of the medicine, & generally proves acceptable to the stomach.

Discuses of the Thoracic Viscomb.

Phthisis Pulmonalis.

The study of this disease is most intensing to us all, in as much as so large a portion of one species assurably full victims to its violence; offering a melaneholy proof that it is still to be regarded as the opprobium mediconem, I that the practice hitherto pursued for the purpose of arusting its progress, in a large proportion of cases, is implicient, if not inquirous.

Consumption is a dinase generally confined to early & middle life, though I have seen it in old ago. I attended a marked case, which terminated in death, in an old lady 70 years of ago: but such instances are case. We also see the same disease in tender infancy. Many a case of pulmonary consumption in children, has passed under the name of worms.

If I were to attempt a condensed description of this disease, I should day that it is a complaint of the lungs attended

with hertie frew; that the pulmonary affection terminates at lingth in suppuration & purulent expectation, and death ensures.

The disease is generally hereditary. This is a fact so thos. oughly established, that I believe it is beyond all doubt. The knowledge of this fact is interesting to us when called to patients labouring under the disease. Breause hereditary consumption is much more to be dreaded, than the disease ascidentally induced. But though it is hereditary, yet it is a fact with which you ought to be acquainted, that it does not always pass in a direct line from one generation to the next. On the contrary; we have instances of one generation escaping, & the succeeding affected with the complaint in its full force. Thus, I am intimately acquainted with a family, some of whose members are remarkable for their longevity, Though their ancestor by the maternal side died of pulmoney consumption. Out of I children of this family, 2 attained an age considerably beyond 80; one of the I died of the disease; the remaining dry lived to have families, and none of them died of consumption; one for a number of years labound under bronchitis, but ultimately died in old ago of hydrothorax; - This individual lost a daughter of phthisis pulmonalis. Several of the children of one of those who lived to be eighty; were affected with pulmonary consumption, a died: to that it passed over him I over 5 of his brothers & distus, to fix on the next generation.

In some instances this is a family disease. When we are unable to discover any hereditary predisposition, & when the

patients have fired in health to an extreme old ago, the children sometimes exhibit this predisposition to consumption, & every one die. Inch was the family of Dr. beake, the physician & friend of Washington.

Some writers have divided this disease into a variety of Species. Now I am inclined to simplify this arrangement. at any rate, I wish to distinguish certain affections which resemble phthisis, & often pass for it, from the real diseaso. Thus, vomica should be distinguished from the true pulmonay consumption. Vomica may be accidentally induled, they may arise without constitutional predisposition, as from nighted preumonia; & patients labouring under this complant may recover. Catarrh may also arise & become very obstinate, without any constitutional predisposition in The system to pulmonary consumption. The bronchitis of old people may be confounded with perhmonary consumption; but it is a different disease. But while I draw these distinctions, I am ready to admit that catarrhal disease & preumonic inflammation are aft to induce consump. tion when they act on a system possessing an acquired or hunditary predisposition to the complaint. Hence, it is important for persons having this constitutional tendincy, to pursue such a prophylactic course of treatment as to place the lungs in a condition to resist the disease when it makes its

Consumptive potients are very generally characterized by a purchase form of body. Henceive often find them tall & very olinder, possessing narrow chests, & not unfrequently

excellent teeth; & having this nails of a pecutiarly delicate shops. Such persons are generally inclined to pulme. many consumption: but this is not invoicably the case; & I have sometimes seen persons with well formed chests attached with the disease. The persons first described often possess quat sensibility of mind, & not unfrequently an unusual deque of intilligence. They are generally outgot to considerable weakness of body. Night causes are aft to affect Them considerably; & chilliness with flushes of heat, or what may be called a febriculous state, may be discovered before The disease has fairly invaded the poption. It is not unusual for persons of this character to complain of a sense of weakness in the breast, & to have a slight hacking cough; &, what is more to be dreaded than almost any thing doe, a predisposition to hamoptypis. Hamoptypis may always be regarded as an evidence of a weak pulmonary Dystem. But it by no means follows that every case of hamshtypis should be dueceeded by pulmonary consumption. When, however, we find patients affected with occasional discharges of blood from the lungs, we may lay it down as an axiom, that they are in a dangerous situation, & should be very closely watched. The discription of persons mentioned, generally possess on initable state of the blood vessels & a frequent pulse. But remem. ber that in my beture on the pulse, I drew a very marked distinction between a prequent pulse arising out of associational by irritable condition of the arteries, & that kind of pulse which proceeds from an inflammatory diathesis. As the disease gains an increased ascendincy in the

system, deviations from health become more & more appaunt. Patients are often very feeble, so that a little exertion fatigues them; & this weakness goes on gradually increasing, & at the same time, the body becomes emaciated. About this stage, we may often discover a circumscribed heatic blush on the check; & in females, that lovely & interesting part of the community, a suppression of the catamerica is an almost invariable attendant. If you examine these patients, and endeavour to ascertain the history of their cases, you will not unfrequently find, that at some period of their lives they were subject to glandular swellings about the neck. In the course of my practice, I have met with cases in which the glandular affection of the neck had indeed disease of the absorbents which had become inducated, & might be traid passing down & losing themselves in the cauty of the thorax. This is an intensting fact, & one which I have had an opportunity of ascertaining by observation & confirming by dison-

When the disease has fairly invaded the system, then, as I stated in the commencement, hectic fever becomes charly established. Chills occur at irregular intervals; fever accompanied by flushes of heat succeeds; the circum-scribed redness of the check is observed, & the paragram terminates in profuse sweats which impair the strength of the patient. It this time frequency of the pulse becomes established. you will rarely find it below 100, & very often will meet with it at 120. The last is a common stond. and in cases of heter fever. In forming my judgement

of cases in which I have been consulted, I have placed very great reliance on the pulse. I have often been consulted by patients, have listened to a description of their pymptoms, & knowing that cough, chill, & from may arise from causes not much to be dreaded, I have said to myself, before placing my finger on the pulse, every thing will defend on the condition of the artery I am about to examine. If I find the pulse 120 the case is fixed; if it be not so frequent, but merely indicates delility, how much shall I be arjoined!

I shall not detain you long with a description of the latter stages of putmonary consumption. It is sufficient to say, when heter fever commences, & the patient has a cough with purchant-exputoration, the emaciation increases, quat debility ensues, the night sweats become propose, alternated with diar show, swelling of the lags appears, & death puts a period to the

sufferings of the patient.

It may not be improper for me to mention, that in the latter stage of phthisis, the patient becomes extremely weak, has coproved purelent expectoration, & the physician justly considers that life depends on a continuance of the cough. If this cease 4putoration will not take place, & suffocation must be the necessary consequence. This is notly the case, & some of the most agonizing instances are those when the fatient wishes to expect orate without having the power, & for a long time is approaching towards death, without being able to die. I have known this state of things to continue for days. In some cases the cough will beave the patient, & yet he will not die of suffocation. In these instances diarrhaa will dometimes ensue. This will continue for days & even weeks, before the little remnant of vitality is destroyed. Inother symptom of the last slage is or asionally met with, which is nare & well won they of notice. I have seen three instances in which real monerare accompanied pulmonary consumption; all the potients were finales. The maniacal symptoms were violent; but they lasted only a few days, before death took place. The discours, however, is in general marked by great chances of intellect, which continues till the latest period of existence.

If you examine the lungs of patients who have died of this disease, you will be presented with appearances which easily explain the cause of its mortality. Patients Calouring under genune phthisis pulmonalis, to far as my experience has gone, are almost invariably affected with tubercles in the lungs. Sometimes these tubercly are diffused through both lungs; at other times They are putty much confined to one. If you make an incision into the lungs, you will open into a enumber of small al Dusses, you will find an aggregated mass of disease, consisting of tubuches in two states, & of almoses containing four. Some of the tuburdes are small & inducated; other, are larger, & if cut into are found to contain a soft cheesy mother. This state of the lungs at one goes to show the difficulty of effecting a cure, after the louch of the disease has been fairly lighted who. For admitting that you could am the absciss already formed, you have thosesands of tubuchs ready to pass into the farm condition.

Having now give a general description of the complaint, I of the appearance after death, I will commoned some general observations on the peartie which is commonly pursued

in the heatment, I regul I cannot in the cure, of pulmo. nany consumption. It is not long since, in the University of Pennsylvania, there was an illustration of a practice jus this disease, founded on the opinion that it is of an inflammatory character, & that it arguins a strict antiphlogister plan of treatment for its cure. With this view of the subject, you can easily understand that a variety of remedies, calculated to lissin arterial force, were resorted to . Armong these the land Stood consputous; & in connexion with this, mercung was employed with very great liberality. I will recollect, in parring through The words of our Hospital, when that quat & distinguished physician, Dr. Rush, was at the head of the direcal department, that this plan was most strilly fursund. But so far as my mollection your, it was attended with little or no benefit to the patients, & was generally more inju nows than useful. In addition to this, a most rigid system of dicting was considered necessary; I close confirmment in a warm room formed part of the practice. One word was fitted up with stower for the purpose of keeping the patients in an artificially warm climate through the winter deason. This practice was not only common in the Hospital, but was also fashionable in the private practice of the city. Broids bleeding & mercuny, other remedis were proposed &

Bisides bleeding & mercury, other remedies were proposed & adopted. Thus the autate of had was used under the impossion that it would reduce the frequency of the pulse, & invprove the general condition of the patient.

had an inflammatory & a tephond days; & that when the

inflammatory condition was relieved by the vigorous use of depleting remedies, it passed into one of a lightoid nature; I that then we were to fill who the bloodvessels by the use of porter & beef stakes, & quiet initation by opiates. This constitutes a general outline of the plan laught by Professor Rush. Other practitioners who were less at. tached to the mercurial treatment, & has disposed to carry The lancet to to considerable an extent, resorted to another practice. Thus, Professor Barton also a physician to the Hospital, was much attached to the use of emities; he also pland quat confidence in Mosely's vitriolic solution. & he used Towler's dolution with the plinost liberality. Again, my beloved & respected preceptor, Dr. Wistas, was almost enthusiastically attached to the use of digitalis; I has had one patient while I was a student, who really appeared to wrown under the long & dilligent employment of his article. With these the different moder of practice milder personedis per occusionally introduced by all; as pallations to allay cough, blisters about the chest, H. But under these various modes, the poor patients generally went one course-The disease bade defiance to treatment & terminated in death. Where I commende practice, I was much inclined to pursue the plan advocated by Dr. Rush. The happy manner he possessed of impressing his principles on the

Where I commend practice, I was much inclined to pursue the plan advocated by Dr. Rush. The happy manner he possessed of impressing his principles on the mind; of those who attended his between, & the ingenuity & force with which he illustrated these principles, were apt to captivate the mind. I commenced practice so for a convert to his opinions as to be disposed to test them by

a fair trial. But in the course of a few years, experience, that but of teachers, convinced me of the newsity of a change. Indeed, I saw in consultation with Des. Buth & Physich, one very thisking example of the inefficacy of this plan of heating the disease. The patient was a timby a miable & interesting young man who was not more than 24 years of ago. He was the oldest son of an affectionate & anxious father who has lost his wife with pulmon many consumption. When the son was attached, the father became immediately alarmed. This previous experience enabled him to accognize in the son, the symptoms which with for row he had been in the mother, & he was easily disposed to from his father's asidened in the country to this city, & arrangements were made for his spending the winter in a warm dimute artificially induced. He was pland in a very spacious apartment, in which was a souperstone stove. A thermometer was suspended in the worm, I a uniform heat was maintained by day & by night. One of the first nurses in the city was soluted to carry our directions into effect; & in fact waything that a parent having the command of quat wealth could bestow, was at our disposal. We had no excuse to plead. The patient submitted to every direction, & all our orders were fathfully olenged. The heatment was commenced by a system of very close dicting, with small & frequent bliedings, & the use of mucuny. After pursuing this plan for some time, & finding that the muceung given by the mouth failed in affeeting the Dystem, we assorted to its external use. A taylor was sent for to take his measure for a pair of flamulpen-

taloons, to be made with feet to them. When prepared, they were spread on the inside with mucurial vintment, & drawn on the patient. In this situation he remained some days: but alas! instead of arusting the disease & allaying irritation, the system became weakened, & physism could not be induced. Um. der this circumstances per resolved on a change, Mercung was laid aside, & we altempted the sweating plan. Sulphus was also gives, together with tax-water, which Dr. Physich thought he had seen useful in similar cases. But no benefit resulted. The father who watched with solicitude the progress of the case, one day, in quat distress, inquired whether Dr. Rush might be called in consultation. This was readily consented to. There was now three of us in daily attendance. I being the youngest, Daw him twice a day, & my colleagues wery morning. The autate of lead was now given - 2 grs every 2 hours. This was continued for sweral days. It did, it is true, diminush the frequency of the pulse; brought on symptom, of colie, & was abandoned. Issues were applied to the thorax; & at last we got to a period when it was thought that the tephoid stage was so far developed, that it was proper to commence a plan to fill up the blood vissels. Forms of various kinds, the weaker & the stronger, were used in sue. civition; but suffice it to day, all our efforts were unavailing. The treatment was begun in the early part of winter, & in the spring our patient died.

Next door, or next but one, usided a student of medicine, (afterwards Dr. Samuel Hopkins of New Jury). In the preceding summer Hopkins had been attacked with hamsplysis. At that

time he was a student in the Pennsylvania Hospital. He was under the case of Dr. Rush, & a system of vigorous depletion hear pursued. The hamoptijois passed away, but he was left in considerable debility. He went into the country, & returned in the fall: leat his health did not permit him to resume his Studies in the Hospitat. At the commencement of the winter any person, on observing the two patients, would have supposed that Hopkins was further advanced in the disease, more redurid, & more likely to pass away than Smith, (which was the name of the one who died. Hopkins was palled, emaciated, I had cough & frow. As he was bitualed so mean to medical aid, three physicians attending daily in the neighbourhood, his friends requested him to have the advise of some of the physicians of the city; but this he steadily refused. His unde with whom he lived, one day candidly told me, that his nephew refused, because he believed that the practice shich would be pursued would only tend to haster a fatal issue to the disease. The winter passed with nothing but a mild pulliative treatment; as paregoin to allay cough, It. Spring opened, & it found Hopkins a living man; but poor Smith had been carried to his grave.

Let us now trace the course of the disease in Hopkins, & much its termination. He went to Woodbury; his father purchand him a horse, the commenced the life of a country doctor. Strange as it may appear, he rode himself into a state of very good health. He had an extensive practice; he married & become the father of several children. He after-

fiver, which he contracted during his becomes attendance on the practice of the Dispensary. This happened 10 or 12 years after the vinter of which I have spoken.

Soften conversed poth this gentleman on his case. I he assured me that when he first commenced practice in Wood-bury, he found nothing so effectual in relieving his distressing chilliness, as riding on horse-back. He said he often sotting a large five, with the back of his chair covered with a thick coat or blanket, without being able to keep himself warms, While in this situation he would, he haps, receive a call from a patient, acquiring him to mount his horse. He would do so: a, as he rode, would feel better. After going a few miles, the exercise would produce such an excitement in his systems, as to overcome this chilliness; a, us I have told you, he rode himself into sound health.

One sho has all that affection & wealth could offer; who was attended by two of the best & most distinguished physicians in the city; who was hept in an artificially warm climate; & sho had the careful attendance of one of our first news, died. Hopkins, sho upused all this aid, depended on simple, domestic remedies; thus passed the winter; spring opened; he commend the life of a country doctor, & recovered.

These cases had a strong lendency to produce a change in my opinions, which subsequent experience has confirmed,

& I propose, before having the subject, to furnish another case in support of it. I shall then give the views which my experience & observation have afforded one, as to the but mode of managing the disease.

I shall now proceed to give some account of cases of This disease which have been suspended or cured, by quet exection on the part of the patient. The first that I shall mention is that of Dr. Baldwin. He was a graduate of This university, & a man of decener - an excellent botanist in particular. He belonged to a consumption family; his father & five brothers had fallen victims to the disease. He settled in Wilmington, (Delaware,) There the disease come menced. He was fully aware of its nature; I calculated on the fatal consequences which would soon result, unless some measures were employed to avert them. He determined on a change of climate. Hence, in the winter deason the embacked for Savannah, bearing with him letters of introduction to persons of the first respectability in that place. This was at hast - 5 or 6 years before his death. At the time of his embarkation, his health was much impaired, On his arrival at Savannah, as he afterward informed me, he made up his mind to travel on foot to Milledgeville, the capital of Georgies, which was distant upwards of 100 miles. His friends considered him little short of a maniae. Disregarding their sentiments, however, he took from his trunk dome newsamy articles of cloth ing, tied them up in a pocket handherchief, can a stick thros the bundle, & placing it on his shoulder, trudged off through the

sheets of Savannah, on his way to Milledgeville. On his pout he endured considerable privations, - lodging in cabins, among people as untutoud as the wild men of the wilderness; & partaking of their homely face of ham & com bread. Sometimes he waded theams; but finally arrived without any material uc. cident, at the capital of Georgia. There he met with Col. Haw-Kins, the agent of the United States among the Southern Indians. This gentleman treated him with great attention, & inoited him to attend him to his residence. The did so, & passed The winter there. In the spring or summer, he found his health meanly astored. On his return to St. Mary's from the United States agency, he bound that the naval Surgeon on that sta tion had died. At the request of some persons, he agreed to supply the vacant place, till they could hear from Washington; and soon after a commission, appointing him naval sugar, was received from that place. He accepted it, settled in the country, & remained deveral years free from disease. Not long sines, he left that station, & engaging in the capacity of botanist to the yellow Home expedition, he did on the journey . - I have no doubt that his disease was suspended several years, by the course of life he pursued.

During my attendance in the Philadelphia Dispensary, I was occasionally street with some patients, particularly one black man who was under the necessity, either of noing great exertion to obtain a livelihood, or of becoming a tenant of the Alms-Floure. The very great dislike which prevails among many of the poor to being received into this Institution, sperates as a powerful incen-

two to exertion. I remarked that some patients thus situated, continued longer & bore the disease better than others whose circumstances were considered much more comfortable. There was one case different from these in which I felt a particular interest, & in which the efficiency of exertion in probacting the disease, was very wident. This was the case of Bronedict D. Potts, a young physicise who had pursued his studies with me; & a man whose amiable qual this & intrinsic worth were not generally known. Poor Potts was attached by a sad precursor of pulmonary consumption; I allude to fisheld in ano. The fisheld was somall, & I operated on him in my office. Though small, however, get it was very much indisposed to heal; & a long time elapsed before it did heal. Unh appily, soon afterwards he was attacked by hemoplysis, and symptom of consumption became manifest. He lived at least one year longer than he would have done, if he had not been prompted to exertion by the stimulus of necessity. He depended on his practice for a livelihood; & I was surprised to see him one day in his chamber throwing up blood, & in a few days again, running about among his patients. In this way he protracted for a considerable time the issue of the complaint.

brought a letter of introduction to me some years ago, I recived this account from him: - In early life he was affected with pulmonary consumption, I while labouring under this disease he commenced the life of a country doctor. It so happened, that in the first trason after he began practice, there was an unusual deque of tickness. He was consequently under the

newsity of making a great deal of exertion, & he result was a restoration of his health. In the course of conversation he told me, (I copy his words,) I have left a patient labouring under pulmonary consumption with directions to ride 10 miles every day, let the weather he what it might." This was in the winter.

I as putable man in this city, Ios. Pility, a currier by hade, soon after his marriage was affected with cough & heatir from, & came under my card. I felt quat Dobietude in the case, & determined to try the efferancy of horse back exercise. I advised him to aide daily. He followed this plan through the winter, & in the spring was wedently improved. The summer opened on him, & in the course of it the camp of support was formed. It was during the late war. This young man become one of the volunteers, & went down with the ast. He was subjected to all the hardships of a camp life; his health & strength increased, & he is now a hearty man, fee from all symptoms of pulmonary consumption.

of a find of mine in this city. A little son laboured under cough, heating fever, profuse preats, & great emociation. I wothed the case with a good deal of anxiety, & found it a difficult matter to carry my occurs into effect. The solicitude of the finds of the child, who visited the family, & who were constantly we ommending one thing or other, had considerable influenced on the minds of the parents. To have a child to sick, without any active practice being adopted, seemed to be incompatible with the views of the visitors. ellerwy was proposed; but hop-

pily the parents listened to the suggestions of the physician. No active practice was employed. As soon as oping opened, he was sent into the country, & his father was directed to give him all the benefit of air & exerciso. He returned from pulmonary complaint, has since had hooping cough, & now enjoys excellent health.

I shall close thise cases by giving one more illustration which to me was puntially striking. Shortly before the death of Dr. Wiston, an interesting young lady was brought from Inmy to consult him for shill, fiver, pain in the toad buat, hacking cough, & considerable loss of voice. All these symptoms peur very gloomy pucusous. Dr. Wiston being absent on a journey when the lady arrived, the came under my care, & I haid her a few visits before he returned. We entered very fully into her case. After during our patient, the Doctor, who had just full-the advantages of travelling over the moun tains & who took great delight in this kind of exercise, looked round the room & made use of these words: Doctor, don't you think it looks confined & close here? Don't you think it would be but to sind her back to the country, & direct her to ride every day?" I concurred heartily in the proposition. We first put a section in her side, & then advised her to return home I use exercise. The winter passed over. The following oummer the visited Philadelphia, greatly improved in health. I Lave since repeatedly inquired of her situation, & I was lotely pleased to hear that her health had been completely restored. About the same time I attended, in consultation with

a practitioner of the first respectability in this city, a young woman sho was attached with hamoptypis, a laboured under heater from a cough. Now mark the history of this case. There it was suggested that there was an inflammatory state of the system, a that the lust way to subdue it was by diplilion, by a rigid antiphlogistic regismen, a by keeping the patient at purfect rest. Rest was considered as a point of peculiar importance. The plan was put into operation. This was in the beginning of fall; a course very similar to that of young smith was adopted. Mucany a certate of lead were tried, a variety of plans were wronted to; but suffice it to say, the patient died in a few months.

The following history of a case was drawn up by a give theman of Ohio, & handed to me by his don Dr. Gillman:

In the year 1804, Thadeas M. Harris, a chegyman of Massuchusetts, called at-my house in Marietta; & from him I received the following account: He had left Dorchester, Mass. That spring, so very loss in consumption that neither he was any of his friends had any idea he would be able to wach Hartford, Conn. distant 100 miles. He arrived there however, & though Still very weak, he concluded to prossecute his journey to New York. When there, finding that he was gaining thenofth, he was incominged to proceed to the western country. On his arrival at Marietta he was so well as to be able to cide 40 miles a day, to preach; & was, in fact, quite recovered. He returned to his parish in Dorchester in good health; & two years ago I heard he was still well." My friend, Dr. Emben, presented me with the following extract from od Manual of the Climate & Diseases of Frohical Countries, &. Dr. By Colin Chesholm, M.D. F.R.S. H. H." Published in 1822. London.

(Dr. Chisholm is an old practitioner retired.)

On the subject of consumption, he says, is active, bustling our pation of time, with exposure to what may be called, & during hardships: such as often occur in smilitary service, during and active campaign, or in maritime service of any kind, have sometimes produced a most wonderful change in a constitution brown him down by phthisis. I have known instances of officers, in both services recover their health by summingly inconsistent means. One thing is most certain, that confinement to the atmosphere of a room, or even house, is most highly prejudical; it remedes the person infinitely more susceptible of cold, & thereby tends to augment the will shirk it is sufford calculated to sended."

In opposition to these views, you will hear it strongly argued by men of talents & large experience, that this is certainly and inflammatory disease. Why then should you subject your pertient to a course of practice which must certainly increase inflammatory action? Why do you direct him to inde over hill & dale, & be julted on horseback, when his system is in an inflammatory condition? This is opposite to all theory. But it should be remembered, the lungs, the seat of the disease, the very fountain of danger, cannot be put at wit. The reason would apply throughy to an inflamed joint; I admit this fully.

But it should ever be borne in mind, that from the moment we begin to breathe, to the latest period of our existence, the lung, are never at rest. Hence, whatever reasons we may give for the newsity of rest in inflamed joints & muscles which may be hight from motion, must fail intirely when applied to the lungs.

In huter five, is there not a pulimatural irritability of the System? It is admitted by wery one that this is the fact. Let me alk again, do not dipletion, low dit, & don confinement, increase the irritability of the depterm. I advance it as a fact, which I believe experience will substantiate, that if you take a robust man, put him in a close room, bleed him repeatedly, diet him strictly, heef up action on his bowels by purgative medicine, & allow not a breath of fush air to blow whom him, his pulse will become frequent & initable, he will be affected with night sinats; & I should not wonder if his blood should be come sizy. If such would be the effect on a man in full health, with how much greater fore will the reasoning apply to a man already debilitated by disease? I can speak from observation, that such a pulse will be reduced by a contrary plan of treatment. I recollect one case of pulmonary consumption, in which, for some time, a rigid antiphlogistic dict was pursued, & the pulse in consequence became very frequent and irritable. The patient insisted on a change in his dict, & as soon as he lugar to him more highly, his pulse became Hower & fuller. It not unfrequently happens that the practitiona is called to see patients in the last stage when no medical treatment

had been resorted to. From such cases he may sometimes draw important pradical rules. Now, I firmly believe in the doctione of the vis medicalry natura - as to the name, I care nothing about that; but for the principle I do contind, & I consider it of very great-importance. It is true, that blood, home, & musde are not endowed with mentat intelligence: but though this is The fact, I believe there is an innate principle in the diption, show object is to present it from the dangers that surround it, & to repair the dangers to which it is subject. We have heard it said that life is a forced state; as if the action of Dunounding agents was continually newsbary to keep it from distotution; as if it could only be maintained by the utmost forts of these agents. But if it be presumed that life is a found state, it must be alloved that there agents can do no more than keep it in the state in which they found it. They certainty cound repair the injures to shich the body is subjected. Let a large wound, or a loss of substance, take place in the human subject; is this wound to amain in the same situation? No: the system at once sets about repairing the damage - granulations spront up, & pus, The purest & but of balsains, is secuted to defend them. In the progress of the cure, the granulations rise to the surface, new Shir is formed, & the restoration process is completed. It will do well amough for a theoretical physician to consider life as a found state : but the practical surgeon will inform him, That the language of the depline is entirety opposed to such a hypothesis. Admitting then that there is are inherent power

in the system to repair damage, & partially to prevent disease, we

may go furthes & draw a simile not altogether inclivant to The subject before us. Suppose an intelligent being arethet by the hand of violence: Inphose him confined & deprived of all his natural privileges: now mark the expedients such a man will usout to, to extruct himself from his difficulties. Look at Si Sidney Smith in the prisons of Pairs. In mered as he was, he hapfily eaught, through the window of his cell, a finale cy which viewed him with compassion. Augular conspondence was carried on by signs; to regular and so systematically arranged, that ever bills were drawn on his friends in England, funds were procured, the vigilance of the most active police cluded, & The prisoner restored to his natural privileges. Apply this to the human dystens under the influence of disease. I trust I shall be able to prove before I finish the dulyiet of pulmonary consumption, that There is, in the human system, in some cases, a strong tenduny to effect a natural cure, & that this natural cure does sometimes take place. The system feeling itself invaded, & its natural privileges tohen away, Lets about relieving itself from its difficulties.

I began by telling you, that, in a large proportion of cases, pulmonary consumption is nothing more nor less than internal scropula. I will now tell you that this internal disease has been removed by the production of an external disease of the same character. I shall also attempt to show, that the external disease being repelled, or driven back into the system, is capable of producing an internal disease

which will prove fotal. This doctrine of metasis as applied to Derofula & pulmonary consumption, is a very intensting one. In order to illustrate the position, that external scrofula will cure the internal disease, I refer you to the case of Hetty Bellen (Du Edictio Repertory, vol. 2. p. 201.) In addition to this I have been consulted, in the course of my fractice, by several patients labouring under pulmonary disease which has been relieved by external perofula. A delicate looking young man was brought to me from New Jersey. He had been subject to cough, & had laboured under Dymptoms of pulmonary consumption which had been relived by the occurrence of an absers in his dide. I had good wason to believe that this abscess was connected with the lungs. Efforts had been made to cure it; but happily, they had failed. That no doubt that the preservation of his life depended on his keeping up This discharge. I gave advise awordingly. The case of a young woman, in Dimilar circumstances, afterwards come under my notice; & I gave similar advise. In both, life & health depended, most probably, on the continuance of this external discharge.

In the Eclectic Repertory you will find deveral instances what, when on the disappearance of the external disease, the internal came on & destroyed the patient. These facts have brought me to the conclusion, that devofula is a disease capable of being translated from the external to the internal & vital parts, & vice versa. The doctrine of metastasis in some diseases is perfectly familiar to every prace

titioner. When regular gout, for example, invades an external part, as the foot, where is the judicious practitioned who, for one moment, would suppose it proper to apply repellants to the affected extremity? Why would this plante injurious! Breause the gout which in the foot is harmless, by activaciding, may attack some vital part, & distroy life. When gout affects vital parts, our object is as soon as possible to invite it to some date situation, & the place Ichited is generally the feet. Scrofula is subject to pre civily the same laws. The only difference " that the time regioned for the production of the same effect is longer. In gout the change is medden; in Derofula it is flow, but cutain. The practical infrance to be drawn from these facts is obvious to you all. External Derofula is, in many instances, a painful disease; I is very aft to oreasion deformity. which, among females especially, renders it hard to be borne, as it generally takes hold of the glands about the nich. The practitioner is frequently solicited by his patients to use repellent remedies with the view of preventing this deformity, I in some instances, he may succeed. But in the early part of the believes on this subject, I called your attention to the fact, that in these cases of scrofulous swellings, in most instances a chain of diseased absorbents could be traved passing down the neck, & losing themselves about the clavielo. By dispution I have ascertained that they pass into the lungs. Now, exactly in proportion as republish remedies drive away the external disease, to do they increase

The danger of pulmonary affection, Hence in deligicts con-Stilutionally predishoood to phthisis, I would urge you to be harticularly careful to avoid measures calculated to produce the effects I have mentioned. Much rather should you allow the Derofula to follow its natural course; much rather thould you promote suppuration than procure dis cussion; & This rule applies with puediar foresto young prople, especially young finals about the apriod of the appearance of the cataminia.

been enabled thus far to acquire some general views, but is there any systematic plan of treatment, is There any mode of presention which, we all know, is better than cure? May not some prophylater plan be adopted with advantage?" This is a very interesting part of the subject; because if we can observe the first approach of the enemy, or before his appearance ascertain the avenues through which he is likely to pass, we shall be more successful in preventing his inroads, & in resisting his attacks. I shall indeavour to lay down a fine observations on this outgict.

It is important in pursuing a prophylactic plan to commence early; & I believe that parents often fall into a fatat error, arising out of an ill-directed tendenness. It is common for parents, in belieting a dituation for a weakly child, to direct his attention to some employment which subjects him to as little exertion as possible. Hence an error is committed at the very threshold. Instead of choosing such a trade

as that of a watch-maker, tailor, Ib. It be much better to place the child under the direction of a farmer, where he may have the full advantage of air & exercise; & if not a former, there should be delected for him some other action out-door employment, as that of a brick-layer, or a carpenter. Thave long been convinced that fush air & exercise are newstany for the preservation of health, in persons predisposed to phthisis. In addition to these, we are next to adopt measures calculated to give tone & vigour to the pulmonary system. I have been cases in which there was a predisposition to pulmonary disease of a fatal character, & where I had an opportunity to pursue a prophylactic treatment from early infancy. I direction, with this view, the inhalation of the fumes of rosin & tar. I founded this practice on a fact mentioned to me by a respecialle muchant of New England, who had been much engoged in Ship-building. He lold me that he had rarely or never seen a cauther die of pulmonary consumption. A respectable physician of New Jersey, whose practice is extensive, on being which whether consumption was to common among The pines as in other parts, answered, that do for as he recolleded, it was not so common. This is another fact which tends to Thenother my belief in the propriety of using fumes of rosin & tar as a preventive.

I have cautioned you most scrupulously to avoid medling with scrofulous tumours situated externally. It now remains for me to state, that when the disease invades the system, the facts previously noticed ought to be borne in mind. The efforts of the pystem to relieve itself should be constantly in the age of the practitioned. This observation naturally leads to some emotive plans when the complaint has suiged on the lungs. What was the language of materie in the case of Helly Hillen, to which I have referred you? Scrofulous swellings took place in the axilla; nature pointed out this as a vituation for the external disease, with the view of aresting that within. Recollect that a common teat of external deroque is in the neck. When, therefore, the lungs are affected, you should endeavour to excite this external disease. How is this to be accomplished? It is true, that by blisters seatons, It, a quart deal of good may be done in some of these cases: but we may extend our practice further. I will relate to you some instances which fell under my care.

In the summer of 1813, in the family of W. I. Miller, a sespectable muchant then usiding in this city, I was called to at tend a black child, the son of one of the Dervants. It seemed to be a great pavoucito with its master & mistress, & considerable intend was felt in the case. But on visiting it, I found it for an varied in consumption, or internal perofula. The child soon died. In progress of time the parents, who still remained in the family, had another child, & this infant was attacked with the same disease, accompanied is the same symptoms as in the other case. The parents became alarmed, & the child was placed under my case. It was affected with hertir fiver and cough, & was in the carly stage of internal serofula. I explained to the Miller & his wife the views I had taken of the dis-

ease, & my acasons for the mode of practice I was about to in Stitute. They entered heartily into my opinions, & the practice was carried into effect. It was this: The child had never been vaecinated, & I commenced the heatment as follows: With a That lanet I made a number of superficial incissions Through the thin, commencing behind the car, & carrying Then down the neck in the course of the glands which are usualby affected in scropula. Having done this, I introduced the vaccine virus into the incissions through their Shoh course. At the regular period of time, when the pustules were at their height, I directed that the child should be brought to me. When I saw him again, I was pleased to find very extensive visicles, accompanied by much tumefaction in the surrounding facts. This was the moment for perfectuating the plan I had commenced. Instead of allowing the pustules to take thin rigular course - to form a seal & pass away, I began a very rough heatment with them: I dearified Them with a taneit, & look care to outply them will with Stimulating ourtment. My object was to keep them sore as long as possible. Directions to this effect were given to the master & The parents; & happily for the child, they were carried into operation. Weeks & even months passed away without our allowing the parts behind the cars to heal. We were all pleased to see a gradual amendment in the child. I examined it with great dolicitude at various intervals. Serofulous tumous appeared in the neck, & the child was at lingth relieved of all its dangerous symptoms. I am

happy to add that he is still living, & I believe remains free from pulmonary disease.

This oily, one of whose children I had previously delicate, in Aution. The child in this instance, was extremely delicate, and the remedy failed. These are the only cases in which I have tried the plan. I cannot, thereford, Day much from my non experience; but from what I have been, I though certainly recommend the practice to your consideration.

In addition to this, it is proper for me to speak, in strong turns, in favour of exercise on horse-back. Horse back exercise, or the motion of a rough corriago, I can strongly recommend to patients who have any predisposition to the disease, or who labour under it in its early stages. It is, I believe, a most dangious anos, & one which has gained pretty universal ascendency among us, to commence the early treatment of pulmonary consumption with a distem of medicine and confinement. It is a very common thing for persons to day to weakly young people, Ah! take care of that cough, nurse yourself, or you will have to repent." So for from newsing Themselves, it would be much better, if they could forget that They had any cough at all. Instead of confining themorlars to a close room, & thus increasing the initability of the system & hastening the approach of a diseaso They have so much reason to dread, it is much dofor for them to use exercise & to expose themselves to the fresh air. I myself possess a constitutional predisposition to pulmonary conInsulption. I have lost a brother & disturish the complaint, a others have been threatened. There was a time when many of my friends & fellow citizens believed I was not long for this world: but hitherto I have escaped; & I at hiberto my tafety, in a great measure, under Providence, to exercise. In my practice, I always use a rough shair, & have never allowed myself the luxury of on easy gig. This plan I have followed for years, & I have much reason to be pleased with it. To some patients exercise on foot is very suitable.

Shew were two physicians in this city, Des. Gallaher and Davis, both of whom experienced the benefit of exercise. Dr. Gallaher was throughy predishood to phthisis, & had lost several of his family with the disease. The made deveral journeys, & soid he experienced considerable advantage. Dr. Davis havelled a good deal, & with benefit. He assured me that nothing relieved him so smuch as exercise in the fresh air. If he was confined for a day, in consequence of bad weather, he always felt worse. They both extimately died of consumption.

A gentleman phose father died of this dinase, applied to me on his own account. I advised him to saw wood for exercise. He died so through the winter. He generally sawd in his parlows. He passed well through the winter, & now enjoys putty good health.

Hannel next the Okin is an excellent auxiliary to exercise. It has a tending to protect the system against the sudden variations of temperature to which our climate is liable. Yet if the patient is weakined by perspiration in consequence

of the flannel, I should be much inclined to a doft the opinion of Armshong, that it should be taken offat night.

Another article may be used with great advantage, especially be to be a super advantage.

by by funale patients whose breaks & arms are more expond than ours. Thave often unged them to wear the drawd rable lit skin, as it is prepared by the furniers. It is called the bo-

som friend, & should be worn next the skin.

But while I unge the newsty of air & exercise, & along with these am friendly to a change of climate in the winter trason, I wish to be distinctly understood, that a change of dimate servers no other purpose, than to place the patient in such a dituation as to enable him to take pleasing of air and regular exercise. Here I would interpose a causion. Most of us have missed in practice, by allowing our patients to take long voyages, when there was no reasonable prospect of ad bantago, I have now made up my mind, that ishen a patient in the advanced stage of consumption, applies to me for assistance, I will never recommend a change of dimate. It is certainly better to die at home, Than in a land of strangers. The last patient of mine who removed, I did not advise to go, but I did not discourage the voyage. I would have been better had I done so; for soon after his departure I heard of his de ath. If benefit is to result from such a change, it must be in the early stage. Benefit dows sometimes would from long dea-voyages. The case of my own brother is strongly corroboration of this assertion. In. Wistar I myorly attended him through the winter with

cough & heatin five. We treated him on the principle that he was labouring under an inflammatory disease. He grew worse. Awar of this, he determined to go to sea & try what would be the effect of a thorough change of climate. He obtained the trituation of supercargo to India, a performed all the duties of a person in full health. He returned wonderfully improved. After this he went two other wayages, a the disease during all this time was hept at bay. After the third vayage the emparing took place, a prevented a fourth for which he was preparing. The disease now soon gained the ascendency, & he passed away.

With respect to diet, it is difficult to lay down any posi-tive rules. This much, however, may be said, that food me tritions & of easy digistron is borne much better, Than a priori, we should imagine. We should generally allow the feelings of the patient to be our gende. If he is distressed by animal food, his fiver inereased, & his cough exaspera ted, the patient & the physician will both think it but that he should abstain from it. But if he find his feel ings more comfortable after a meal of onimal food, without any increase of fever or cough, I should not be affraid to allow it. I have been much struck with the man ner in which consumption patients bear thong food. Dr. Totts assured me, even after he had abandoned all hope of a recovery, that one of the greatest somes of earthly enjoyment to him, was to sit down & take a meal of that kind of food to which he had been accustomed when in health.

He assured me that he felt better after such a meal. In the treatment of pulmonary consumption, we are sometimes arrested by a symptom demanding a change of plan; I allude to spitting of blood. When this occurs, it must be obvious, Shat for a time, our mode of practice must be changed. It is generally necessary to take blood from the arm; & sometimes this must be repeated again & again. The patient should be pland in a cool room, Jult should begiven, & those remedies adopted which are suitable to a case of hamoptysis. But I have my self sometimes missed it by pursuing this treatment too far. It is proper for a few days, to keep the patient at per fut out, abstain from conversation, & use no strong food, Sout in a short time, the disposition goes away, & the par trint may resume The plan on Thick alone he can prop erly found any ultimate hope of health. In some fratients, even while the plan of air & exercise is going on, if then should be much pain or uneasiness in the chest, It may sometimes be proper to take blood. Venesation will occasionally active congestion & procure relief. But bewore how you treat the complaint as an inflammatory affection. affection.

There is a fast connected with pulmonary consumption, which you will do well to attend to . Every practition or is are are that there is a otisking connexion between phthisis & fistula in ano. One of the last cases of his kind that came under my case was that of Edward coxe, Erg.

fished in ana. It was not extensive: but long before it healed, pulmonary consumption invaded the system, the fell a victim to it. This connexion between phthis is and fished in ano, has suggested that the disease of the lungs might be transtated to the return. I ome alternited to concentrate the disease in the neighbourhood of the pecturn, & with this view, directed small doors of alors. He morshoidal disease was produced; but I did not succeed in curring the hatient. The idea, however, I hold out to you for future consideration.

Orfore I bring my account of consumption to a close I will immerate another interesting fact. This, however, is a subject of extreme delicary. As medical students, you most be award that it is important for you to be apprized of many orqual diseases appertaining to females, which it would be improped that others, not belonging to the profes-Dion, should be acquainted with. More should never make The diseases of females the subject of conversation, particularly before men not of the medical profession. It is a fact will understood by medical men, that pulmonary consumption is wonderfully duspended during pregnancy. This is no longer a matter of doubt. Many instances have occurred, in which the disease has been kept completely at bay by the asandoney of atime action. In the course of my practice, I have observed that pregnancy not only ouspends, lent in Some instances, effects a euro, particularly When the patient

is young. In a family very Julijet to the disease, I was called to a young married woman who was labouring under it in the early stage. Soon after the symptoms of phthis his occurred, happily for her, the was in a dilutation which undered her likely to become a mother. The symptoms of the disease disappeared, & The passed regularly the period of gestation. She has Dine borne Deveral Children, & hitherto The disease has been hept off. I have no doubt that the would longe sine have been numbered with the dead, had she not become a mother I have another fact to communicate. In consumption The catamenia are almost invariable absent; & while I have urged the necessity of air & exorcise, I have also kept an own on The esterine system, & andeavoured to promote its healthy action. Emmagagues a totices are the remedies I complay for the purpose. To a lady affected with the disease, I presonle do fills made after the following recipe: R. Julo. G. Mysh Sulph . Fini cale. aa Fij Potas. Dub. Carb. Japon. Venet. a a 3/s Aqua g. s. ut frant fill. XI. Two of this pills were taken two or three firmes a day, & were persisted in for a considerable time. They brought about the regular action of the utures . - In another case I used Pr. Sulph. Ferri. Cale. 31 Aloc Socot. gr XV Level. Ven. 9.0. ut front fill. XXX.

The dose was from two to four fills morning & wening. Among the medicines used in consumption, I have found tonics particularly important. Patients affected with chills, flushes of heat, & accasional sweats, will be much benefit-ted by a judicious use of tonics. Bank would be useful has were it not for its effect in producing structure of the break. Other tonics, however, as gentian, quassia, H. may be used. The prunus Virginianus I have employed extensively. For lers dolution is sometimes useful in accepting the symptoms of heatic fever. Pertocals & chiates, in some cases, are indispensable; but if the patient can do without them, it would be better.

Peripneumonia Notha.

I now come to the description of a disease per papid in its progress, & truly formidable in its nature: I allude to perify memoria nother or bastord plenisy. This is in fact a serous apopleyy of the lungs. So far as my experience has yone, it is purchase to elderly persons who have been previously disease. I may are occasionally among drunkards in earlier life. I know no better mothod of giving your accorded view of this disease, than by describing some cases which I have had an apportunity of attending:

Case of John Thompson. - John Thompson a respectable old gentleman of this city, after having lived beyond his 10 the

year, met with a most swee affliction - he lost his eldest, & one of the best of sons. Joon after this event, it was eveident that it had made a most powerful impussion on the father. He was a man of strong mind, & aute feelings; & possessing great firmers of character, he suppressed his emotions. The consequence was, that they preyed on his health; & it was soon observed that his system was failing. He legan, in common languaque, to break; & truly he broke very fast. He lost his former healthy aspect, his countername became palled, his flesh fell away, & he was reduced to a state of great emaciation. The first time I attended him with this disease, was one night about 11 o'clock. When I arrived at his house, I found him labouring under the most distressing dyspensea: I it seemed from the parting respiration, as if every grash might lie his last. Along with this there was an almost increased conghing, & frothy expectoration. He appided in a state of agony from the difficulty in his breathing. His face was collapsed & shownk, & he had a most duadful aspect. On ful. ing his pulse, I found it strong but irregular : the stroke was quick but not remarkably frequent. I regarded it as a case of serous apopliny of the lungs. I supposed that there was a strong disposition to effusion: That the expectoration, which was incersant, might yell some relief; but that unless the vestels could be speedily unloads ed, the patient must die. This was one of those cases in which no time is to be lost, & in which the interposition of peacties must be prompt & powerful. I blid the patient it as the blood begon to flow, Then was an evident amelioration of the symptoms.

I went on bleeding, & the patient getting better, till so or 40 og of blood were abstracted. At the end of this process there was a Striking amendment in the symptoms. Immediately after The bluding, I used the furnes of rosin, This remedy was reeommended by Dr. Rush in cases of peripueumonia nother; I I had seen it most dignally useful in one instance of the disease that had fallen under my own observation. In the care of this gentliman, the some was thrown on a shoulful of live coals, & the patient was soon inveloped in a fog of smoke. He inhaled it with pleasure, & felt relieved. In addition to the rosin, I considered it newstary to give internal expectorant, which might at the same time operate on The newous deptime. With this view I gave the law assafatida. This was alternated with a devoction of Sincka, which you know is a powerful expectorant. A large blister was applied to the break. - I saw this old gentleman in three attacks of the disease, from all of which he recovered under the heatment I have just detailed. He was finally worn out, & died at last of hydro-thorax. of hydro-thorax.

Case of Parah Sippincott. - The subject of the humb note was a female truly lovely in old ago. For sweetness of tempos & disposition she was equalled by few, & I doubt whether she was shippassed by any. For some months before her attack, her health had been gradually dulining; her countenance had shrunk, & she had begun to exhibit the marks of old ago. On the morning of the 13th of the 3d tho. I was called to see her. On inquiry I found that the had been much dibilitated for

Several pouchs; had been troubled with disposa, particularly in ascending a flight of stairs; & for 3 weeks, in consequence of a cough with which she was boubled, she had taken twelve drops of landamen every night. The night before I was called the had Inffind whemly with a sick stomach, & in the morning I found her with wident disease of the chest. I suspected hydro-thorax; but as the could lay with her head low, & there was no marked diminution of wine, I did not make up my mind positively; lent concluded to apply a longe blister to the chest & wait a few hours for further light on the case. Her pulse, at this time, was firm & without much initation. I visited her again in the afternoon. The blister was on her breast; no material change had owind, &. I concluded to give her 15 drops of landamin at night, intending next morning to pursue some pegular course of heat. ment. But about 10 o'clock I was Inddinly summoned to her to witness a state of agony, coupled with extreme danger, such as I have deldom sun. Inthe before I was call. ed The was sized with most violent apopleyy of the lungs. When I arrived the was panting for breath in the most distressing mannes; unable to lie in bed, I in a state of the most extreme duffing. Her thin was cold & claiming; her countinance Thrunk; her lips lived; her pulse, happily for her, was strong; & unlike other cases I have seen, she conflict but little. I proposed bluding, to which the cather objected. I applied sinapisms, & requested an immediate consultation; for I was really afraid the would die in

a short time; & I was discious of having some one of my medical friends with me, that my views of the case might be judged of, & the responsibility divided. Dr. Octo, who lived near, saw her with me very soon. He fully concurred with me in the use of the lancit. & although it appeared as if wery gash would be her last, I tied up the arm & opened a view. As the blood flowed, there was a gradual abatement of her distress; & we personed until we had taken away about 40 og. During the bleeding, particularly towards the conclusion, the livid colour of the lips changed, & the countenance became more natural. After the bleeding we commenced with the fumes of rosin, Shirt were very grateful to her, and evidendly relieved her breathing. We next tried the volatile julap: but this did not appear to suit the case. I then gave her the following mixture:

R. Assafortida 3111 Mint Water 311. Rubbed down.

The dose was a table spoonful every how, to which was added 5 drops of antimonial poine. The very first dose of this mixture afforded her relief. I remained with her titl nearby 2 o'clock in the assafatida & the fums of rosin. Next morning, the 14th, I at 9 o'clock, I found the patient quite as well as we could expect, considering all circumstances. The blister on her breast had drawn pretty well; her breathing reas still laborious; the coughed & expectorated some mucus, but it was rained with difficulty. On considering the case

we concluded to draw a few owners of blood; hoping in this way to relieve the lungs. I took away about 4 og. When the complained of being sick. Her thin became more cool, though her pulse did not materially vary. Although the quantity of blood taken was so small, yet it wally appeared to afford relief. We now placed her on the use of a table spoonful of the decoction of sincka every how, & a wine glassful of wine whey in the inturning half how. The when was formed of two parts of milh & one of good Madeira wine. In addition to these, we advised an occasional dose of assafalida Whenever the was restless, & the continuance of the fumes of cosin. During the day, as well as the preceding might, the slipt a great deal : but her notes were short, & her breathing at times very laborious, particularly during sleep. Her bowds four opened during the cours of the day. At one time the could not take the wine glassful of wine whey, & we allowed arrow eood hasoned with wine as a change. During the next 24 hours the same practice, with a little variation, was pursued, & an evident improvement was obserbable. Her position in bed was natural; & the expertorated, Though not do freely as we could with. Her respiration was not yet natural. The posin, at first so gratiful & relieving, now became disagreeable to her, & was omitted. The same general plan of treatment was continued through the night of the 15th, Shish was passed uncomfortably in consequence of the sinche purging her more prequently than was distrable. She recovered from this attack; but died in the early part of summer.

Now, in these two cases, you see a practice that is migret, &

you might duppose it contradictory. On the one hand the lanet is employed with great boldness, & on the other differsible Himutants are resorted to. you would naturally inquie, how should this be? But you must recollect that be are treating, not inflammation; but merely congestion of particular vessels. You should revollet also that in some very debilitated subjects, There is a thong tendency to local congestion without any inflammation. Thus, in the case which I have related, there was a strong determination of blood to the lungs, producing an engarged state of those organs, Shish, if west suffered to continuey must have produced for tat consequences. This called for the lancet. But after the ver Ils were unloaded, & the haryand of effusion was thus removed, we had to contend with the danger from debility. Hence, in this stage, wire shey & volatile alkali are very appropriate; & at he same time to relieve the lungs still fur-Theo, & to establish a natural outlet, less dibilitating than V.J. expectorants may be introduced with quat advantage. Hence, assafatida, deneka, & rosin are employed. Bisides its powers as an expectorant, assafatida provis usiful by its operation on The newous pystem. Prosin sometimes produces the most useful & striking effect.

has a thong, active pulse, he may, probably, for that time, escape. But if you find this duadful condition of the pulmo-nary organs with a longuid circulation, it is probable that all your attemps will be unavailing. But let the pulm be

as it might, I should open a view, & judge from the effects

produced, whether it would be proper to proceed.

Defore closing the Julyich, I wish to call your attention to another case which might be termed apropley of the lungs, not from serum, but from blood.

Case .- During my attendance in the Philadelphia Dispensary, I was called one morning into some remote that, to see a black man. He had been taken ill in the night with extreme difficulty of breathing. When I saw him in the morning, he was laborning under difficult respiration, free from pair, & with a fulse bandy perceptible. In this case The fatal stroke had been given, & all my efforts to save him were unabailing. I had an opportunity of making an examination after death, & found that the lungs were completity engaged with blood.

You will revolled then that periforumonia nother is an apoply of the lungs, generally of a derous character, but ours-

Tronally without effusion of sum.

We not infrequently have to intries snows effusion into The lungs as one of the last symptoms of thorain disease: it is one of the most common terminations of pneumonia, when the complaint ands favorently fatally.

Spasmodic Affections of the Respiratory Organs. Asthma.

feeting the peshiratory organs. I shall not enter into an accurate account of the disease & its treatment; but shall merely make a few general observations.

alarming in appearance than in reality. I will almost venture to say, that if you are accustomed to attend patients in this disease, you will be extremely alarmed on witnessing a paroxymm. You might outpose that it would distray life: yet the fact is, that patients affected with this disease often live to old ago. Many persons have pasted thise 80th year, who during their life have been more or less affected with affected with affected with affected with affected with which will year, who during their life have been more or less affected with although with although their life have been more or less affected.

In the commencement, in young & vigorous Dubjects, and oreational use of the land is beneficial. But when it assumes a Ohromi character, as it almost always does, I am accustomed to defend very much on the use of antispasmodis.

Spasmodick Cough.

Anddenly Dized with a shell of almost incornant-coughing,

which deemed as if it would wear them out, & foligine them almost to death. I once passa case of this kind with Dr. Emlin, in which an emotic afforded immediate pelief. Emetics & antispasmodis are the proper remedies in this complaint. Spannodic cough, however, pometimes assumes a more due is character; & then, without case, it may be confounded with diseases of an inflommatory character. From these it diffuses sentially, & would be aggravated by the antiphlogistic heatment. In order to illustrate this disease, I will present you with a

Case. - I ome attended I. J. Longsteth's wife through a severe paroxyom of this disease. In several previous attacks, I had adopted a plan of treatment rather of the antiphlogistic character - autimorials seem liberally employed, & opicitis were prequently exhibited. But I was led to armach in the course of my attendance that the remedies imployed appeared to produce no effect. I attempted to quick the cough with anodyns. but I was disappointed. The usual pertoral mixture totally failed in pelicoing it. She would get through the attack; but I was not satisfied that any thing I did was of any well serview. When I was called in another attack, I determined to perone a different course, & instead of the antiphlogistic trestment, to sesort to the use of antispasmodis & a generous dict. Ab That failed in relieving the cough by the usual putoral mixtures & anodyms, I made up my mind to try some other plane I put the patient on the use of a remedy shut produced the most happy effect, & calmid he cough surprisingly: it was a mixture which had for its base a most active inquidient, the rectified oil of amber. The pusciff-tion was as follows:

R. Ret. of ander, get Ixxx.

Pulv. G. Arab.

Loaf Augar, āā 3p,

Tinet. of balsam Tolu 311

Water. 31V. M. Dose a table

spoonful, to be administered every one, two, or three hours, pro re nata. Busides this remedy, I found considerable advantage from the infusion of valerian, in the proportion of one owner of the bruind poot to one pound of water. The dose was a wine glassful frequently repeated. The dist was ginarous. Treated on this plan, instead of remaining sich for three weeks, as the had previously done, the recovered in a few days. Case 2. - Sometime after the above case, I was called to see a French Lady in consultation with Dr. Monges, who laboured under the Dame disease. She was attached with the cough soon after confinement with a child. It proved very obtinate; & her friends were under the impression that the was in a consumption. On hearing the account of the case given by Dr. Monger, & making my own observations on the patient, I was induced to believe that the cough arose from debility; that it was sparmodio, not inflammatory; a was to be triotio, not by antiphlogistic remedies, but by those of an opposite description. I was struck, as in the former case, with the total inefficacy of the usual pedoral mixtures in relieving

the cough. It the same time the absence of fiver, & the strong symptoms of debility confirmed me in my opinion as to the proper course of conduct. I stated to Dr. Monges the ease of Many Longotuth, & advised the oil of amber. He agreed with me as to the propriety of it, & it was employed. It acted most hop. pily; & the cough which had been extremely obstinate, yielded to the armedy. The patrint was hept on the lowing plan, & measures were adopted calculated to invigorate the exptens.

I have thought it proper to present you with thise eases, to prove the existence of a cough which has nothing to do with an inflammatory condition of the lungs. If in the last case the idea had been taken up that the cough, I he patient treated awardingly, the would have been pland in a dangerous if not an incurable

Sometimes a particular kind of air will affect the pulmonary by drystem, & induce cough. I awalled a patient in the Alms-House, who was affected with cough of a very obstinate nature, which completely risisted the treatment usually assorted to. At last he determined to bear the institution, & the simple change of air removed the cough.

Peculiar Cutarrhal Affection Children.

In the course of my practice among children I have met with a disease to which I wish particularly to invite your attention. It appears under the form of a catarrhab affection. The

patient appears, & really is, extremely ill. In some instances it seems as if life were in the most imment danger. The child is affected with difficulty of breathing; & the dyspraca, though constant, to a greater or less degree, is yet much more violent at one time than at another - assuming the paroxyomal lype. The parayerm resembles that of asthma. In some instances I have seen a cold shin, shrunk countenance, & cold whech. The last symptom is worthy of observation. I am much in The habit, in the pulmonary diseases of children, of laying my hand on the check, to ascertain its temperature. If I find it cold, I consider the situation of the patient to critical us to call for my close attention. The pulse is generally feeble; but, in some cases, it has a little irritation which might lead an inexperio enced practitioner into an opinion that the land is proper. I have known this disease to occur when the catarrhal fever has prevailed among children; & Bhen, as a general rule, the lancut was proper. It sums as if the same cause, in persons of diffront constitutions, might produce diseases requiring very diffrent plans of treatment.

in the child of Robert Buckhart, a bluder in Front sheet.

I was called in the morning of the 11th of 4th Mo. 1810, to
the infant daughter of Robert Buchark. Her breathing was
difficult, her pulse fibrile in a moderate degree, a She had some
cough. I was informed that a few days post the had been affected with diarrhaa shich had ceased; her greens were swelled. I
land Them immediately, & concluded that by restoring the diar-

whose, the would be relived; & ordered some castor oil, & also a stimulating linement to rub the breast. On visiting her in about 4 hours afterward, her brighing was more difficult, I her bowds not moved. I directed a punge of calomel & an enema, took a small quantity of blood from the arm, & directed antimonial peine in small doses. About I hours after This, I was dent for in great haste; I am my arrival found that her friends bedieved her to be dying; a really, from her appear ame, I did not wonder at their alarm. She was apparent. by insinsible; her respiration was extremely labourous: her countenance bruk, & her pulse very feeble. I should have given The case who pretty much, as a gone one, had I not witnessed recoveries under similar circumstances. I ordered the warm both, sinapisms to the feet, a large blister to the break, injections containing assapatida, a calomel, as the bowds continued constituted, & my favourite medicine - gum assofatides in mint water, given frequently & in large doses; & to the astonishment of almost every person, the poor little creature acovered perfectly.

Dysproca. - The little dulgit of the present memorandum, was affected very dimilarly to R. Bushhat's sheld; although the prospect of immediate disdolution was not quite so threatining. I was called in the night on account of extreme difficulty of breathing, accompanied with a pollid countenance, and their, a feeler pulse. The dysproca varied; dometimes it would be considerably letter, then recen with violence. Throughout the disease, the circulation brimes rather languist; hence no bleeding was required. The treatment principally consisted

in warm bathing, a large blister to the breast, opening the bowels with small doses of calomel, & the liberal use of assafortida, given by the mouth, & at night in the form of enema comlined with a few drops of landamen. Also the volatile julap was employed occasionally as a substitute for the assafortida. Offer the more alarming symptoms were subdied, it was severely afflited with colie which yielded to mint water, formentations, O6.

Since This late case, I have occasionally met with this form of disease among children; & I have great reason to be pell salisfied with the use of assafolida in the treatment of it. But I think I can propose a very valuable addition; I mean the fumes of rosin. In the family of Tho. Suffain, I have seen two cases of a most violent character, in which I gave the las assafortida, attended with seneka; & the fumes of rosin were liberally employed. This last remedy, to far from being unpleasant, is, in general, exceedingly graliful. I kept the room abnost in a fog of smoke; & the uspiration was in consequent, much improved. In addition to these remedis I employed blisters to the chet, & the warm bath; & altended to the state of the bowels. I am not sure that colomel answers better than castor oil, as an opening medicine.

In the use of assafatida, in this disease, I am quided or up smuch by the age of the child. I generally tell the mother to give it of such a strength as the child can be as. For instance, I direct 3j to be subbed down with 3j or 3jp of mint water. I of this, a tea spoonful is the proper dose. You need not

fran giving too much of the medicino; for it contains no narrotive principle. A tea spoonful of the lar assofation is to be give one how, & a dose of the decochor of such a the night. I continue the sencka formations, till it produces vormiting.

I have found my success very considerable in this form of disease in children. I believe an appostle practice, founded on a belief that it is an inflammatory affection, would be likely to produce more mischief than benefit.

I have seen the same purchiar spasmodio respiration in the latter periods of hooping-cough. This you will find à very derious disease. A practice very dimitar to that above estated, I have seen singularly useful in some cases of pertussis, in the latter stage, accompanied with difficulty of breathing. When this owns, the disease is always dangerous. While the little patient news about, & vomits freely, & the respiration remains natural, there is seldom any danger. But When we find no disposition to conesis, & at the same time dispensed makes its oppearance, we must be closely on the watch. The complaint in this case, is not generally inflame matory, but opasmodie; a antispasmodie, not antiphlogistic, measures, are appropriate. Assafatida, the rectified oil of umber, deneka, & the fumes of rosin are valuable remedies.

In one case I recollect, when this state of things appeared in the last stage of hooping-cough, & the danger was most iniment, I saw nothing more useful than the steady complayment of assafatida & rosin. Thave also known anodyn

injections exceedingly useful in this case. But here let me observe, that there is one pule is the regard to this remedy, which I with you to remember. It is customary in the administration of landamen, as indeed of other medicines, to give three times as much by the redurn as you would administer by the mouth. But from observations which I have made, although this rule is generally court, yet I am inclined to believe that constitutions vary much in this respect; & that, in some individuals the comparative donsibility of the rectum to the domach is much greater than is commonly imagined. you should, therefore, be careful not to let your calculations be too liberal. If you wish to give an anodyne injution to a child of one year old with. This complaint, take a large tea spoonful of las assafutide prepared as before mentioned, & add to it a disent sport of flaxford tra. To this 6 or 8 drops of landonum may be added. This quantity is quite sufficient for the first trial. If no unpleasant effects un produced, you can afterwards increase the quantity.

Catarrhal Affection which Occurred

John H. Crisson's Family.

The faunts of this family were most singularly afflicted in the loss of their children. They followed to the grave six sons in our cession - all of show died in early infancy. The oldest was 14 mo. the youngest 5 months. Of these 5 died of a disease which I am aconfined to the male children. So fatal had this complaint proved, that when a child was attacked, the parents considered it as inevitably gone. The mother informed me that in one instance, a girl had been attacked & recovered without medical breatment. The last of the five died under my care, & I had an opportunity of seeing the disease from the comprenement. The other cases had been treated by antiphlogistic measures, as they were supposed to depend on an inflammatory condition of the lungs. That which fell under my care was managed differently; though not exactly on the plan which I afterward adopted. The child was delicate, & had some symptoms of pertussis blended with the disease.

The complaint appeared in the form of a catarrhal affection, with some cough, & steady difficulty of breething, as described in the preciding cases; but in some of these their was more appearant action. The last one that-died I had an opportunity of examining often death. I ascertained that there was not he slight est appearance of inflammation in the lungs. There was some of fusion into these organs, such as we often meet with, & such as may occur in cases of dibility; but there was no effect by the knowledge derived from this dismition led me to reflect on the subject, & I acasomed their with myself. This child from some cause which I cannot explain, possesses a constitutional dibility of the pulmonary organs. This constitutional dibility is purchasely inviting to disease, & then the disease makes its appearance, death inevitably follows. Under this view I conclude

that a prophylactic treatment is all important . - My object was to pursue some steady plan of prevention; some method of invigorating the part constitutionally predisposed to debility, & place the patient in a condition to woist the disease if it should make its attack. The fast which was related to me by a gentleman of New-England, & Shich I mentioned on a former occasion, viz. That he had rauly if ever known a coulker affected with pulmonary consumption, presented itself to my mind; I I at once advised the parents to commence a course of prophylactic treatment with the remaining children, & with Those which might afterwards be born. I advised them to subject their children to the fumes of rosin at a cutain time every day. Having suffered so much, they were fulby prepared to anter heartily into any plan I might direct. Accordingly, with the remaining children, & one born sometime afterward, this practice was pursued. The children became fond of it. In progress of time, I was summoned to see the infant (which had been subjected to the prophylactic treatment from its one birth) labouring under this terible malady. It was apparently extremely ill. I had determined, in my reflections on the subject, to lay aside all idea of inflammation in any subsequent case. I employed The following treatment: The room was inveloped in a fog of rosin, & the child would haddle in the fumes with delight. A blister was, at once, applied to the break, & the borels were opened with costor oil. But I am indined to believe, from what I have since seen, that a little

Talso prescribed a minglure containing reclified oil of amber, alternated with seneka. With this practice I had every reason to be delighted. The child shortly recovered, and this was the first instance in which a son had passed throw the disease. Since that time, I have attended the same child in the same disease, with the same happy result. I also attended in the same complaint, two other children, finalis, one of whom was extremely ill; & both recovered. I will read you an account of the treatment, as the awar up & presented to me by the parents.

Both of whom were very seriously indisposed. The diesting of senika snakeroot was immediately directed. At 90 dock, P.M. gave Mary enough of it to occasion vomiting; at 10 o'clock, applied positives on her feet & a blister on the breast; & administered a tea spoonful & a half of the following mixture:

D. Ol. succin. rectif. 9th XXXIV

Sacch. Alba

Pulo, g. Ahab. āā 3j Ag. Cennam. Simp. 3jj

The sinks & the oil of ambes were continued alternately this the night. Her mother, who sat up during the night, was struck with an obvious improvement about 2 o'clock in the morning. The same treatment was afterward continued, tho, not with so much regularity. This child has just completed her 3d year; & in infamy had been raised from a very

low otate by the application of similar remedies. Sarah, who was only months old, was treated in the same way, the proportion in the dose being conformable to their ages. I was observed in her case that the seneka operated powerfully on the bowels, & occasioned a great prostration of strength as to under the discontinuance of it necessary. The quantity of the myture of the oil of amber given her was half a tea spoonful eveey hour. About 2 orclock, P.M. on the 17th, a great change for the better had taken place, I the same treatment was contimud. The night of the 14th was passed away very comfort ably by Sarah, & she was manifestly improved. The other daughter was distussed through the night with violent spills of coughing, which continued during the next day. In the evening of the 13th, 15 drops of antimonial wine were guen in the duoction of sencha, & poultices were applied to the feet. Sarah continued to mend through the day; but was somewhat welless at night; I the snake-root was resumed. Many passed the night better than before. On the 19th both of them were so much recovered that little further medical altention was mussbury?"

Fife cases, in this family, I have treated on this plan, and every one with success. - We have here an instance of what may sometimes be done by clearly understanding a disease. From its symptoms, he complaint might have been mistaken for an inflammatory catarrh; & in some instances was treated as such. The information I derived from dissection, induced me to put inflammation entirely

out of the question. This goes to prove the necessity of Studying a disease more closely, & of endeavouring to acgive a knowledge of purbantes of constitution, or, in other words, of idiosyneracis. The longer I live, the more strongly I am convinced that idiosyncracis of an import. ant character, are sometimes met with in practice; and much observation & considerable experience are necessar my become we become fully aware of them. I regul to say that I have known a time when experience was di vided, & principles, not facts, were considered importand to the practitioner. To this I do not consent. I only right that there is not more experience among us. If medical men were more careful to keep a record of This experience, medical science would be promoted, & many patients would, no doubt, be usund from the From what I have said with rigard to the disease In which I before mentioned of another complaint in

From what I have said with rigard to the disease which prevailed in I. b. busson's family, & from the carses which I before mentioned of another complaint in children, & of the spasmodic cough of adults, you may gother that the pulmonary system is very liable to spasmodic disease. In children complaints of this nature are very difficult to be distinguished from those of an inflammatory character. Children are unable like adults, to speak and to express their feelings. They cannot point out the particular part of their leady which is the trat of disease. As, therefore, we are cut off from vocal communication.

the more successary for us to study the language of nature as it speaks in this actions. To understand this requires much experience. An affectionale mother, or an attentive nurse, generally knows more of the complaints of children than a young practitioner. I wish, therefore, strongerly to impress on your minds the necessity of studying attentively the diseases of infants, & especially those of the hubronary organs.

Pneumonia.

you will find that practical writers, in hurswing nosological arrangements, drawin distinction between inflammation as it affects different parts of the cavity of the chest. Thus we have the names of precumonico, plunitis, He. But I do not believe that any practical advantage can pesult from a snew subdivision of the inflammatory affections of these parts. I am inclined to the opinion that if active inflammation affects the pluna, the bungs themselves will be brought more or less into sympathy; or, on the other hand, if the substance of the lungs is involved in inflammatory disease, the investing membrane will be likely to participate.

Paleints affected with preumonice are generally divide with a chill. This is succeeded by fever, &, as a general auto, more or less pain, (sometime very auto pain) is experienced in some part of the thorax. The pain is often confined to and

side, & every attempt to expand the chest by a dufe in spira tion quivally increases it to a great degree. Hence, when called to a patient with preumonia, it is a general price. tie to request him to take a long breath with a view of ascertaining this point. The efforts to cough not unfrequently excite a great deal of pain & distress. As the dinase advan. as some mitigation of the symptoms is commonly manifisted by a more free expectoration. When this is the case, we often find the disease disposed to yuld. The expertorated, matter about the 5th day is not unfrequently tinged with blood. This is a circumstance which a young practitioner Thould be fully award of; & as Guller justly remarks, he Should not carry antiphologistic treatment los far, from apprhension of himorrhago. If the disease goes on happiby, by the 4th day, we generally have a favourable crisis we have a deline of pain, easy respiration, copious expectoration, & an absence of five. This may be regarded as a fabourable issue of a common sase of preumonic inflam. mation. But in the course of your practice, you will be called to witness cases of a different character. you will find every effort to relieve the pair ineffectual. Sometimes confined to one orde, I will suddenly leave this & attack The other. It is manifest that the dinare has now invaded a new part, & at a time too when the dystern is less able to wrist it than at the commencement. An unmaragrable & fatal and case, not unfrequently terminates about the same time as a forounable one; i.e. on the

The day: I this termination is often by fatal effusion. you will visit the patient & find him labouring under extreme difficulty of buathing, a rattling of mucus in the hachia, expectoration almost entirely suspended, lived nails & lips, cold clammy skin, a publi pulse, & hippocratic counternance. Death soon closes the seens. This remarks apply to cases of an ordinary kind. But we occasionally meet with symptoms very different from those described. Sometimes the inflammation is suddenly transfired to the brain; symptoms of phrenitis ariso, & in one case which fell under my observation, something like apoplyy closed The scene. The ourseness of phresitis in the progress of preumania, is always to be regarded as extremely danger ous. There are other cases which pursue a still different course. After having watched the patient with a great deal of solicited & intenst, & administrate those permedies which you may judge most mitable, you want with anxiety for The period of a favourable crisis. But this orisis does not arrive. A mitigation, it is true, of the more violent symptoms takes place; There is less urgency in the pain, cough, & respiration - if I may be allowed the term, a semicie sis ours. But still a quat deal of mischief is going on in the chest. The pulse becomes very irritable; a hutie blush on the countinance is sometimes exhibited; a cough harrassing & often dry is observable; oursernally chills, Ineceeded by flashes of heat & five, a followed by sweats, make their appearance; & in short, the practitioner per-

cives that symptoms of heitie from are wearing down the patient. He understands fully what is to happen. There is every reason to believe that vomice or absers of the lungs has formed, or is forming. Some of these cases of vomica will in the end terminate favourably: & there have been instanas where large collections of matter in The chest have been discharged & the patients have recovered. The bursting of a vomica is a thing well understood by every practitioner. If this abscess find a ready outlit through the tracker, x its contents are discharged in that way, the patient may sometimes recover. The recovery seems to be conducted on precively the same principles that regulate inflammation of any other part. After suppuration & the loss of substance by ulcuation, granulations may arrise & fill up the cavity, I the parts buome consolidated. In this way abscesses in The lungs sometimes do well. It organionally happens that The abscess points externally; & the pus may be discharged either spontaneously or by a puncture through the parithe of the thorax. Cases of this kind may also do well. But it sometimes happens that the vomice bursts & the malter is effersed, without an outlet, into the substance of The lung trity. In this case immediate death not unpequently owns. Here I wish to be distinctly understood, as drawing a very marked line between abscessors of the lungs as a consequence of common inflammation, and wal phthisis pulmonalis. The two complaints are pequently confounded, & The practitioner very honesty assummer to himself the credit of evering pulmonary comsumption, when in fact nature has been curing a common abscess of the lungs on the same principles that the would cure an absuss in any other part.

With this general outline of preumonica before you, you will be prepared to understand me when I day, that it is a disease of local inflammation, attended with symtomatic fives; & that it requires, in common, a very free use of the lancet. You will recollect that we have to contend with inflammation in a part very vascular, & easily excited to disease. The measures, therefore, should be as prompt, & pushed to as great an extent, as the strongth of the patient will allow. In pursuance of the common course which has been adopted in the treatment of fever, we might very naturally suppose that The next ofthe after relieving the blood vessels by the lanest, Should be to evacuate the bowels by brisk catharties: but I believe the experience of intelligent practitioners is against this plan. Drastic purges are not likely to be useful in prumonie inflammation. It is, however, always proper to unload the bowels by gentle purges; & for this purpose apsom salts, castor oil, & similar articles may be used. In addition to these, demuleent drinks are Strongly recommended. Hayout tea acidulated with lime juice & barby water are particularly proper, especially in the early stage of the dinase. Antimonial medicines hold a high rank in the treatment of prem-

monia; & hence, the common antimonial powder is very generally prescribed in the commencement of the disease, after bleeding & gently evacuating the bowds. But you should remember that you have to contind with a very harrassing cough, which jars the patient, & theors him juto violent pain; & that you must adopt someplan to relieve this inthout increasing the febrilo action. Some practitioners are opposed to the use of opium, even in small quantities, in the early stage. But a physician is prequent. by under the newstity of choosing between two difficulties, & to adopt the course which will prove of the most advantage. In the case before us, the lesser wil is to employ opium in small doss, & in combination with some articles which a tendency to determine to the surface. It is a common practice with me to prescribe some pectoral mixture, eour in the early stage. In orlecting a formula I always use landanum in profesence to the paragonis clixir. The latter is objectionable on the ground that it contains a large proportion of alcohol than landanum does; & busides, Then is one or two articles in its composition not well suited to the early stages of preumonia. My object is to combine with the laudanum some expectorant, as antimone al poins, & to mix these with a rich muelage. The following formula will answer very well:

Pulv. G. Arab. āā 3 p Finet. Opii get I. X vin. Antimo. 3111 Ag. Honton 311. M.

Instead of the antimonial wine, you may use two grains of tastar emetic. Some persons dislike lignories: for Shise loaf organ may be substituted. The dose is a tarble shoonful which in the early stages of preumonia may be administered every 2. 3, or 4 hours awarding to

The judgency of the symptoms.

There is another part of the practice which I regard as much more important, a about which physicians disagree. Much has been said about a blisting point. we have heard a great deal about the general exertement in the pystem, & are taught by some that this excitement is qually inereased by blisters. It is necessary, Maryone, They day, to reduce the oyotem by bleeding, It, to the blisteving point: viz. to that point in which blisters may be applied without danger of increasing the from & the local inflammation. To effect this requires, according to these practitioners, 2 or 3 days. On this ordered with to speak with dicision. I have had extensive opportunities of testing inflammation of the lungs, especially in the Philadel V phia Dispensary; & I have no hisitation in saying that I can bring a patient with preumonice to the blistung point as Ison as I please. I wish no longer time than is against to bleed the patient ones & unload the bowels. I can at one aider the system sufficiently by the lancit; but I prefer waiting till the bowels have been warnated, as it would be inconvenient for the patient to be getting up & down with a blister on his side. The blister should be large. In preumonia I regard the inflammation as the cause of the fiver perth which it is connected, & I believe it to be important for the practitioner to direct his remedies early & promptly to the teat of the disease. There fore, I would by all means, adviso you to employ early blistering in preumonic inflammation.

After the disease has lost the violence which generally attends its aussion, I believe a judicious use of opiates at night

The dulin of the disease, a grain or a grain & a half of opium,

with one or two grains of iperacuanta, will prouse rest at night, I the patient will often be greatly refreshed in the moun

ing. - But I should have observed that in the progress of

The disease, for the first few days you will frequently be un-

a day, or even oftener, if the symptoms are urgent.

There is one point to which I wish particularly to direct your attention. When the disease is in its wand, it is not un common for free expertoration to take place, & for the matter to be tinged with blood. Here the young practitioner should be on his quaid. He might think that there was some violent action in the bungs, & an additional call for the lancet. Theory may say one thing, but experience says another. The experienced practitioner will tell your that there is a disposition in the pulmonary organs to re-

he land in her own hand, & is bleeding herself. She opens a thousand little vessels in the lungs, & pours and mucus sometimes mixed with blood. At this juncture, when the practitioner interfere & use the land freely, he may materially interrupt the saturary efforts of the system; he may lissen the vital power, diminish expectoration, which is important at this crisis, & debititate the patient without making any salutary impression on the disest. Hence, I should say that while it requires qual judger ment to ditermine on the extent to which blood may be abstracted, it requires equal judgement to know the stopping point.

This Then, forms a general authine of the practice adapted to common cases of pneumonia. But I reget to say that you will often meet with cases of a very mixed character, which, from a variety of causes, will arguine a deviation from the course which applies to patients generally. Thus you will be instances where the evidence of pneumonic inflammation in the onset of the disease is very obvious, & yet it is so combined with other symptoms, as to render the common practice inadmissible. We sometimes meet with cases in which the disease is wishered in by diarrhoca. I think I can say, as the usualt of considerable experience, that I have never sun a case of pneumonia whered in by diarrhoca, that has

not run into a low form of fever, & involved the patient in great jurpardy. In such cases, the land, so fac as my experience has gone, cannot be used with that freedom with which it is employed in ordinary cases. In stead of it, blistering should be early resorted to. If any blood is taken, it should be with great caution, a she best method is to use cups.

In some cases of phenomonic inflammation, the strength of the patient fails, & when expectoration is difficult, you will find it newstary to usort to measures that will have a two-fold effect. Some permedy will be mussary which, while it elevates the whole system, possons at the same time expectorant qualities. For this purpose the volatile alkali is admirably adapted. you will also must with instances in which sucha, [not proper in common cases.] will be obviously useful.

I wish now to give you a case or two of pneumonia whered in by diarshow. I have stated that I never sow an instance of this kind without finding it difficult of management, & disposed to even into a low form of disease. Case of Wm. Kernfoton & his Wife. _ When I was first called both were labouring under diarshow, with symp.

called both were labouring under diarrhow, with symptoms of preumonia, & a low form of five. The land was not employed. On the contrary, milely stimulating meet was were pursued, particularly with the husband. In both cases blisters were applied on the breast pith quest advantage. Scrpentaria was und in the form of direction.

We employed weak wine whey. Initability at night was alloyed by opium, & the heat & dryness of the skin were relived by fibrifuge draughts. They both recovered contrany to expectation. The form of the disease I had reason to believe, was, in both cases connected with mental depussion.

I will now read some observations which I made on preumonia, during my attendance on the Philadel. phico Dispensary in 3d & 4th Months, 1807.

Many cases of preumonia, come under my care; and as far as my experience has gone, quat caution is aquisite in the management of the disease: For although it is presumable that extensive evacuations are always necessary in the commencement, get variation from this practice is, in some instances, necessary. Instances have occurred, in my prachier, of an early disposition in the disease to take on a tiffhoid form, as is indicated by distribed sleep, accompanied with a low, muttering delirium then dosing. In two cases I have known a spontaneous diarrhaa to appear combined with The above symptoms. It the same time the skin will be hot, & the pulse of a peculiar kind - perhaps we might call it hobbling. It one moment it conveys the idea of artical force; at another of debility - a combination of weakness & moderate strength that is not a little purplising. If called in the early stage to a situated, I have not withheld The land, but, at the same time, I have used it with caution. The case of Mm. Bompard was of this description. I think it was on the 13th day of the disease that 9

first saw him. He had been once bled; but when I reisited him the State of his pulse was such that I thought A most prudent to andestitute outs to the break for the lanet. A large blister was applied after the cups. I di ented the antimonial powder & putoral mixture; but such was the irritable state of the pulse, & so profuse the purging oursioned by the powders that I was obliged to omit them. His situation was embarrassing. The du pentaria in decoction was ordered with a view of support. ing the oystem I will a view of promoting expectoration. On the following day, I began with my favouite rem edy, iperamanha & calomel, to which a little opium was added. As the diarrhaa was soon checked, & the med. wine did not sum to run off by the bowels, the opium was omitted. The patient became comatose. Cups were now ordered to the head, & a large blister between the Shoulders. The come left him, & he became delirious. At This time his bowds were constituted. On visiting him one morning, I believe the 4th day of his illness, I found him dressed & sitting in the Shor-maker's Shop, insisting That he was quite well while his whole appearance indieated extreme illness. While in this delirious state, I requested my friend, Dr. Griffitts, to see him with me. His pulse was at this time was more active than it was in The fore part of his illness. The Dr. Advised me to punge him fully with calomel; to have his head shaved & a blisby would not allow the blister to the head, it was applied to the back of the neck. Five grains of calonel were directed every 3 hours till it operated; & 3/5 was taken before even a moderate effect was produced on the bowds. From this time he began to consider recover. When the affection of the brain was most violent, the disease of the breast was for the time, entirely suspended

Direct with preumonia, who, at the dame time, had diwhoen. His skin was hot & dry, & his pulse Whobbing. Fifthoid dynaptoms doon appeared, duch as multiving delivium, &. He was alrived by a small bluding, & by blisturing. But the poor fellow would not be controlled. he continued to walk out & take care of his horse, when the day previous to that on which he died. He had been accustomed to the intemperate use of ardent spirits. On visiting him one morning, I found him labouring under the symptoms of preumonia notha. His countenance was livid, his asspiration laborious, his pulse nearly gone, & in a few hours he died.

In cases when the disease will not admit of extension evaluation by the land, which in auto preumonia with a tense pulse, is certainly a most important remedy, calomel is my sheet anchoo: I generally give it in combination with specaraanha. When the symptoms are un gent, I give op ij of colomel, & gej of spease every 2 hours.

Sometimes it is newsay to add a little opium, if the purgation effect is inordinate. Phisters are also an important and remedy.

In a previous luture I spoke of some of the fatal ca-Des of preumonia terminating in effusion. In the following is rather an unusual case, & I had an opportunity of making an examination after death, I will detait it to you. Case of Rebecca Robinson. - The was 29 years ofage When admitted as a patient of the Phil. Dispensony. I visted her in the afternoon of the 23d of the 3d mo. 1800; and found her complaining of deven pain in the right side of the thorax, attended with a cough which always increased the pain. I immediately directed the loss of 12 on 16 og. of blood as the pulse required. As the bowels were constituted, I ordered small doss of Glauber's salts, to be repeated wery two hours till they operated, & advised the free use of dimuleunt drinks, particularly flax-seed tea. I also prescribed a putoral mix ture to allow the cough. On the morning of the 24th, I visited her again. The symptoms were rather less urgent but the pulse being tense, I directed the loss of 12 og. of blood, & prescribed The antimonial powder, in addition to the pertoral mixture. & a large blister was applied over the trat of pain. In the afternoon of found her complaining greatly of the blister, I was informed the pain had left her side: but I could not help ouspecting that her anxiety to get rid of the blister, induced her to give this amount. As the pulse was still tense, although the cough was a little abouted, I thought it

eight to direct another bluding, & to pursue the same plan as before, during the night. On the morning of the 25th, She appeared very much relieved from pain; the cough had abated, but still the pulse was contracted & tense. Vis. to 100g. was directed. In the afternoon the pulse began to flag, & the pain had ceased: but it was wident from her appearance that the danger was increased. In The morning the sould make almost a full inspiration, with little difficulty; but now there was a sense of uneasiness at the breast. I directed a blister to be applied toit immediately. On the morning of the 26th, I was informed that the had passed an extremely nothers night, and had thrown up some blood. Every symptom now indistil the utmost danger. Obshiration was very labori ous, The wish were cold, The pulse was searchy perceptible There was no pain, some cough remained; but exputo. ration shinh had been fee, had now nearly ceared. Another large blister was applied over the breast, & sinapisms to the ankles. Timulants were exhibited feely, as wine, wine They, Despentario & assafatida; The latter articles with a view not only to their stimulant, but also to their expectocont qualities. Every exection, however, was puitless. Her respiration became more laborious, & the died at 10 o'clock on the night of the 26th.

Upon opening the body, 18 hours after death, the following appearances presented: The omention was found adhering to the peritonium, & the upper part of the live was ag-

glutinated to the deaphragm by adhesive inflammation. The eight side of the thorax contained at least 2 quarts of an extramely fetich & brown or chocolate coloured fluid, approaching to black; & Iweral lumps of coagulated blood were found in the cavity, & some were adhering to the pluma on the side of the thorax. The lung preserved its soft texture, & several parts of it bore the approxance of incipient ganguen. The diaphragm, on the right side, was very much thickened I to muscular texture quite obliterated: it was of a firm consistence & of a dull white colons. On the other side it presented its natural appearanso, & the left lung was very little changed by disease, The right was fixed to the diaphragm by two processes of The same tixture & colour as the diseased portion of the dias phragm. The pericardium contained about two owners of a light brown fluid, & a few shreds of coagulable lymph of a whitish colour floating in it.

Upon further inquiry, it appeared that she had borne 3 children; that her husband deserted her about 12 years before her death, that she had laboured under suppression of the calamerica for 3 years, & that during this time she

had oursionally had a cough.

Orumonia is often to be met with of a mixed chan actor, in shich case, owing to some constitutional puciliarity, or other cause, we are unable to pursue the course which has been stated to be proper in provousable cases of the disease. You will meet with persons, in the course of your 394 3/s of buised sincha x 3/ of bruised liquorine root to be put

If of buised sente & 3j of bruised legerories root to be put into 3 half pints of water & reduced by boiling to a pint.

This is a mixture very well suited to some of these cases. But I wish to impress on you the fact that these pursons will not be a extensive depletion. The cases will go on for several days, the rispiration will be extremely laboring our, I the countinone phrunk; but as soon as you can obtain a peturn of cough, they get letter, I willimately recover entirely. I am not prepared to say how the furnes of assir would ast in these eases; but I am inclined to believe that they would be well adapted to some of them.

Incumonia occasionally requires another kind of practice. Mon will meet with cases in which you can employ a little depletion; but not so much as you may desire. You may approhend that unless something more is done, effection will take place; I you are desirous of instituting some mode of practice which may prevent it. I know no better mothod of conveying to you my meaning than by reading some observations I made when my mind was anxious a bout several cases of this kind which occurred to me while I was practicing as Dispensary physician.

The Mrs. 4th, 180 P. - Having finished a term of attendance at the Phil. Dispensory of 4 months, I have taken the pen to notice some occurrences relative to my poticits in that Institution. - In the Id a 4th months, a number of cases of promotion came under my care. The first patient I lost with that complaint was Polly Garrison, a woman in Med

ally. She was in the 6th day of the disease when I first saw her. The had been once or twice blid but at this time I did not think the land proper. I directed a blister to be applied to the side, gave a mixture containing tatainized antimony & nitre, a prescribed in the evening a ducation of senika. Next morning I found that the last medicine had not been procured. The was now labouring under all the alarming symptoms of effection - a livid counterous, oftremely laborious respiration, slight delinium, or. Another large blister was applied to the breast, & the volable alkali was administered in the form of julah - all in vain; the died in the evening, on he the day of the disease.

John Peters, a French black, was brought into the Poor- House Dometime in the Dame month. The poor creature was in a deplorable State, covered with filth & eags. He had been prished wh in the street on an extremely cold morning, & sent to the house by one of the quardians of the poor. He was complaining of pain in the dide, which he said was oursound by a blow on The piles; but it was weidently the effect of prommonic inflommation. Bluding, blistering, & the antiphlogistic regimen af peared to be successfully employed, & poor Ishe so for suround as to be able to walk about his poom. But still a houseness I an wident disease of his bush continued, under which I hinh he must have laboured sometime previous to his admission. I put him on the use of digitates: but the poor fellow was at last sign with chilliness, & great difficulty of bushing; I was affected with the common symptoms attending an absus in the chest. Sinka was puthed very smartly, blisters were applied, & at last volatile alkali & other stimulants were employed - all to no purpose; he died sweets week, after his admission.

Several cases which terminated successfully are worth

wording. - Jaar Roach had been labouring under preumonic inflammation, I believe, for Dix days before I saw him. He had been once bled. When I found him he was complaining of considerable pain, & had a troubbesome cough. I blid him that evening; but found that his pulse would not been much deflation. The bluding with a large blister relieved him immediately; I he as well as his friends thought he was on the recovery. But his symptoms spoke a different languague : for , although he was able to get down stairs, get it was wident that the disease was gaining four in his chest. The quantity of wine daily diminished, a sense of wight & unesiness in the break answed, & hydro-thorax was clearly present. The squill I calomel given in such doses as to indew a gentle balivation, very happily relieved him, & he was restored to his usual health.

A very stort young Trishman came under my care of ter he had been ill about of days. During that time very little had been done for him. Possibly he had been once bled. His case assumed an alarming aspect. His respection was laborious, his pulse labouring, & the symptoms of incipient effusion brought to my mind the many fatat eases I had

been compelled to vitness. I wasoned thus with myself: What Shall be done? Bleeding, by lessing the quantity of blood in the lungs may relieve my potent. but the strength of the deption is at this moment so much diminished, that if any Judden evacuation should induce Symothe, I fear the power of reaction may be lost, and The event prove fatal. But something must be done, or in all human probability, the patient will die . When effection is about to take place, or has actually occurred, in the cranium, for example, on what remedy do per chifly defind for the whif of the patient? To it not meecury? In the present case then, it is wident that to bring about a free expertoration, to arrest the progress of effusion, I at the same time to watch carefully the state of the suptim, & if possible to determine with accuracy at what moment evacuations should cease & restoratives outstituted, is truby desirable. With this view of the publick I took away a few owners of blood from the arm, carefully watching the effect on the pulse. A large blister was applied to the chist, & a dreation of Sincha with a view to its expertorant effect, atternated occasionally with small doses of peracuanna & calomet, was freely administered. He was also cupped on his breast the next day. Mercurial fruitions were used wery I hours to the thighs & a large blister was applied between the shoulders. I attended him very assiduously for several days, sometimes visiting him 4 or 5 times in 24 hours; & although my patient at times rambled a frequently picked of the bedelother, get I had the pleasuse to see him peroved. When I thought it proper to discontinue the iperar & calomel, a servera, I substituted the despentation. This with the frequent use of nowishment in small quantities, very happily, restored him, with the blessing of Providence, to his former health.

I was called soon after the dreadful fire in Dock street, to see an Italian sailor in Swanson St. who had exposed himself considerably at that time. I found him labouring under preumonic inflammation. He had been ill deveral days I had been once bled. His pulse was not very active. I drew a few owners of blood from his arm, blistered him, & used the common plan of heatment. Next day I blid him again. In both instances the blood was sizy. On the morning of the 4th day he had a wildness in his countenance, a a watchfulness which indicated the approach of phrenitis. In a few hours he was furious. I directed cups to the head, applied a large blister between his shoulders, & gave specar & calomel. Next morn ing I had the satisfaction of Decing him perfectly calm & free from frow. His medicines were now discontinued, and light nowishment, in small quantities, was frequently ad ministered. He recovered perfectly.

Mary Luff, a poor unfortunate female who had fall. on into habits of drunkenness, soon after a debauch, was attacked with convulsions. On recovering from these, the was singred with preumonia, '& I was then called to visit her. When I saw her, the had very acute pain in the thorax, cough, bitter taste in the mouth, occasional vomiting, & high fever. Her

land was freely used, & calomel was exhibited with a liberal hand. Polisters to the part offected, which were dressed with mercurial ointment; & The usual remedies, as the fortoral mixture, demuleent drinks, He were also resorted to. These measures vigorously pursued, had a most happy effect. Physlism was induced, & on the 1th day a favourable crisis occured. And Marge was eventually restored to health; but I am sorry to say I believe the was not to virtue.

There is another form of preumonia which I wish you to become acquainted with. It is not uncommon in the spring of the year, for a practitioner to meet with a disease of a monguel character. Cases of this description I have not unfrequently met with in the latter part of the 5th and beginning of the 6th month. This disease has the inflom matory diatheris of the winter & spring months, deluted, if I may be allowed the expression, with the diseases of warm weather, Sometimes there are intermissions, particularly in The morning; sometimes a letter & then a worse day. Thus see have preumonia connected with something like intermittent fives. In the heatment I have found it dafest to heef the pulmonary symptoms principally in view. Bleeding is generally required; blisters to the breast, gentle cathar tis, antimonials, H. Met bear in mind that we must not wacuate more than is clearly demanded, lest we lay the foundation for subsequent debility, & perhaps a tedious intermittent.

Measles.

My intention, at this time, is to continue the subject of inflammatory affections of the pulmonary organs; & I shall first notice an Epidemic disease which occasionally prevails in our country a which rarely visits us oftener than

once in 3 or 4 years: I mean measles.

This may be viewed very much in the light of an inflammatory catarrhal affection: it is attended with cory-Za, cough, & a puliar appearance about the eyes. But in the course of this catarrhal disease, the patient is affected with oruptions which appear on the face & extend prelly gunerally over the body. Cases of measter are, in general, mild I managrable. But you will find intilligent mothers & nur-Des not unfrequently very fearful about the consequences That may result from the disease. The complaint, as it has appeared in one city for a number of years past, very generally yilds to plain & simple treatment. As it is an inflammatory disease, you can easily comprehend the general principles on which the treatment must be conducted. Severe cases of mea-His almost invariably require the lancet; & dornationes it is necessary to resort to it again & again. Generally speaking one or two bleedings are sufficient in common cases. In addition to this remedy, attention must be paid to the state of the bowels which should be kept open by pungations. A free use of dilwent drinks; an, if the cough is severe, pertoral medicines,

with ouasional blistering about the thoras & throat constibut the remainder of the treatment.

When this disease in its progress, effects the tracher, & crown is connected with it, I consider the case as requiring partienhas care. The last hime the measter prevailed, I lost a fine little boy whose wind-pipe became involved; & I had occasion to right that I did not resort to more early blisting.

I have known the disposition to inflammatory disease not only invade the mucous membrane lining the lungs; but I have deen the dame tendency in the mucous membrane living The alimentary canal. I have seitnessed some instances of Lever bowel complaints supervening an attack of measles. Thave also had one case where vomica supervined, & the patient finally died.

You will ouasionally meet with cases of this complaint Shich depart from the usual course. Thus, in common can Des, The emption Aldom appears later than the 3d or 4th day; sometimes carlier: but I have met with instances Show the patient has been very ill, though many days had dapsed before the appearance of the cruption. I will read you a case as an example.

Case of Franklin Sones. - 5th mo. 29th, 1808. Iwas called in the evening to visit the son of Isaac C. Jones, a fine little boy, aged about 14 months. I found him labouring under considerable fived, with a pulse full & tinse & some cough. His mother thought his throat was dow. She informed me that he had not been well for several days, particularly

in the morning. But he had never been denously in. disposed until 11 o'clock that morning, when he appeared to have a chill, followed by fever shich was accompanied by starting. From the history of the case I immediately his. pulit measles, as they were very privatent, & especially as They had lately appeared in the family. I directed him to los Hoz. of blood & to have a mild cathactic, with a so lution of gum arabiv in water for his common dink. Nort morning he was a little relieved, & in the evening com orderably so - his fiver having abouted. On the morning of The 3d day he was more poorly. Attention was paid to the state of the bowels - They were helt ofen by senora in decortion. The mild dink was continued. I looked every day for the cruption, & was quite disappointed on the 4th day, as it did not appear. The symptoms became more alarming. His exambations of fever some always more alarming in The morning than in the evening; & a disposition to somnotiney, which I perceived in the early fast of his attack was on the 5th day, greatly increased. It sumed almost impossible to couse him. His eyes were about half closed; his head was hot, & his feet were cold. He sometimes walked wh; & when he did, it was generally with a Deream. But still he would take the breast; although his mother remarked that he did so rather with a view to palliate his umany feelings, than from a desire to take nourishment. I now prescribed some powders, containing each 2 grains of cal. smil & 4 of powdered wherbart, to be taken every hour until

They operated. His stools were green at this time. One of the howders operated Infficiently. I saw him about I o'clock, D. M. & finding him still in the comator state I felt alarmed & thought of applying blisters. But as the parents had lost a child with hydrocephalus, & were uneasy as to this, I was very distrous of having a consultation. Although the pupils were not dilated, There was no strahismus, & I was aware that coma often attends eruplive fevers, get I thought he had an aversion to light. Dr. Barton mut me on the evening of the 3d of 6th suo. -The 6th day of the child's illness. The pulse was fuguent, yet sufficiently full. We soon agreed as to the property of applying blisters to the prists: & although our remedies made Some little impression on the disease, got nothing summe to have a marked effect, till on the 10th day of his illness he became covered with a fine crop of measter. His comatore symptoms vanished; the enoption continued out shout 3 days, & little Franklin, to the great joy of us all, was finally ustoud to health. - In the course of his illness he had a hard troublesome cough, for which a blister was applied to the buast: but a solution of assar footide in mint water appeared to give the most whip. Note. - This boy I attended through an attack of scallet from the the same purchasity ulation to the time of The appearance of the emption orund. I have since tun tural timilar cons.

Influenza.

When ingaged in practice, you will sometimes be called to heat catarrhal fever as an epidemic disease, under the name of influenzes. I will read you a history of the disease, as it occurred in 1804; taken from my notes which I made at the time.

This most extraordinary epidemic seems to have spried in creary direction. The first account we received of it in this city, was from New-york about the 8th of 8th month. At that time it was reported that five thousand persons in that oily seem affected with the disease. About the same time that these reports arrived from N. Y. a few cases appeared in Phil. It soon spread like wild five; I by the windedle of the month, or a little later, scarcely a family was free from it. In some instances, whole families seem affected at the same time, I I think it perfectly safe to conclude that not less than 80.000 of the inhabitants of this city have been more or less affected with it. The adjacent country has not escaped. I have heard of a family in Upper Darby in Shirk 15 persons have been affected with it.

The symptoms of the disease seem worthy of notice; & I shall attempt to give them by discribing ony own case, for I had a violent attack. For several days previous to my illness, I was sensible of unwould lassitude when I walked or exerted myself much. On the first day of my inclisposi-

tion I rose rather earlier than usual. I was soon sensible of an unpleasant feeling in my eyes: it was not pain, but rather a sensation of heat or burning. This was soon propagated to the chech; & I presently discovered some fever. Professional ingagiments called me from home; but a pain in the head, back, & limbs convinced me that care for myself was necessary. I returned from viriting my patients, a went to bed about noon, My from was now high; & a full inspiration produced a sense of coveness, as it is called, in my chest; but I did not cough. In the early part of the afternoon, I lost 12 oz. of blood & took a cathartic. It operated at night, a bey drinking largely of barley water & abstaining from stimulating dit, I felt actived, & Thought might nearly will on the Inceeding day. But I now began to have a copious discharge from the sohnieduran membrane, which was soon fallowed by a cough, This was hard & dry, & undered it newsay for me to lose 14 og. of blood. I was relieved by the bleeding : but it was at least 10 days from the time of my attack before I was free from the cough. In some cases a chill, five & cough whend in the

In some cases a chill, fiver & cough whend in the disease: in others, pain in the head, back, & bones; & the cough followed a few days after. But I believe that in every case, he breast was more or less affected. It appeared to one that most of the patients had a better & a vorse day, as in a testian. The cough was very houblesome & had to remove. Mild cases were soon whived by diluent-

drinks, low dict, & a gentle calhartie of Jults or oil. Port in some instances, I have found two bleedings necessary to subdue the inflammatory symptoms. In addition to this a large blister was often applied to the short, & the antimornal powder (without calomet) employed. Under this treatment the most urgent cases would soon yield. As a disposition to the intermitting form of fiver was observable, & the bark was contra-indicated on account of the pulmonary affection, I directed cold chamosnile & centarry teas, to be taken freely, (after the urgent symptoms were subdued) particularly in the

Although so many thousands were affected; yet is worthy of observation, that very few instances of death occur. But has already shown that neglect in the early stage of the complaint has laid the foundation for diseases which will finally prove fatal. Some have already occurred, I one under my own notice.

An intemperate man had been labouring under the disease for 10 days; & during that time had taken his daily allowance of ardent spirits. When I was called hi was labouring under very acute preumonic inflammation, & died in about 5 days.

When have had hamoptysis; a the foundation for put monay consumption is laid in many persons who are pre-disposed to that opprobine mediconem. Several deaths have taken place in consequence of the wheten of blood-vissels in the lungs. The son of my venerable friend, Dr.

Juffield, afforded an instance of this kind. He was a youth of 19. The attack of influenza was mild; but the wifline of a vissel terminated his life in about 48 hours.

Another remarkable circumstance is worthy of resord; a hat is the innusual number of deaths among pursons who had arrived at extreme old ago, day between 80 × 90. I pretreme the influency has had an agency in the death of most if not all of them. In one week, in this city, no less then dip, the most lectured to \$1290, & one of 107 years, were reported in the bill of mortatily. The news-papers from every quarter, give daily information of the departure of this venerable class of the community. In the bill for last week 9 cases of death from influency a were reported; less including the whole number reported from the commencement of the opidime. I do not think there has been more than 30. From this rumber the aged persons are understood to be exempt.

I will now read dome remarks made on the disease

11th mo. This Epidemic has again been very general in the city. It commenced as before to the northward & castward. We heard of it in New-England & in the city of New-York. From the 15th to the 19th of 10th mo. I visited 4 patients with the disease. They were travelless & had passed through N.Y. But as early as the 9th of the month, I had one case of a delicate female who was very ill with it though she had not lever absent from the city. About the latter end of the mo.

it began to be general; & in the early part of the 118ho month it was at its height. It was remarkable to see with what rapidly it operad. It wally seemed as if the were for who escaped. In many families, every individue al, I believe, was more or less affected. I suppose that at least 4 of the population were subjected to the disease. During its prevalence I was almost seon out by futigue; for a considerable member of our most respectable practitioners seeme confined by it. I heard of one family that such to 5 physicians in succession & found them all sick, I suppose I made from 50 to 60, a perhaps more, visits in a day; & often presented for several patients in one house; so that the sumber of palients was from 70 to 90.

With respect to the symptoms & treatment, There was a very exact resemblance to the disease as described in 1804. I found some patients to complain most severely of pain across the highs & when facts of the thighs, lymerally one or two bleedings were newsoary; in a few cases I blid the patients 4 or 5 times. Jame petients, particularly during this paragraps in the afternoon, had a great sense of fullness, or stuffing in the breast, which was very distrissing. The inflammation in some cases, amounted to plenisy.

Two folal cases have orcured; & this have been among very aged people, or patients meanly worn out by other diseases. I have not met with an instance of death where the constitution was vigorous. Several cases have come under my care in which after recovery, the patient has

been attacked by a smart whill & from, generally of a remitting character: in some an intermitting from has appeared. These cases, however, are generally man agrable. I am now attending an elduly gentleman in consultation with Dr. Parke, Shere the from has run into typhus mition. Allhough I suffered a severe attack in 1804; yet the present year, I escaped; at any rate, I have not been laid up. I had a slight sources of the throat. My worthy friend, Dr. Spiffitt, who escaped in 1804, was faitly smartly handled.

Influency is Sometimes very dangerous to presons labouring under previous disease of the lungs, partiew larly to such as are predishord to pulmonary consumption of hamosphysis. I have witnessed some melansholy cases of another kind. During the prevalence of the disease in 1815, I attended, with Dr. Mathieu, a young man from New-lugland who was affected with disease of the only child of a widowed mother. But just at this juncture, the influency to other posts at this juncture, the influency took hold of his system, already nearly exhausted, & in a few days he fell a victim to it.

exhausted, & in a first days he fell a victim to it.

10th. Mo. 1820. - There are a few cases of influencya
now in the city. One Shirth is very interesting, is now under the case of Dr. Chapman & smyself: A young lady,
at a boarding school in this city, was affected with account turn nat fiver, & was attended by Drs. Monges, Chapman
& myself. Her disorder was protracted & dangerous. How.

ever, with great care & attention, we ultimately had the satisfaction of seeing her in a state of complete conva. become . Just at this junctime, Shen the was able to leave her bed & sit up occasionally, the influence took hold of his. In her usual health, it would probably not have been Iwere enough to confine her to her room; but at. ing on a sixtim previously debilitated, it has rendered her situation the most dangerous that can be imagined. There is great difficulty of butthing, with heaving of the chest, & a pulse often as pequent as 160 in a minute. There has been but one ground of hope; & that is her frown of expedenation. The did expertenate freely: lent to day we ful an unusual degree of solicitude, bususe this frown is failing. If the should continue any length of time in her present condition, the case must terminate fatally. Note. - The above prediction was verified - She died.

Diseases of the Heart.

Then we contimplate the structure of functions of the heart, we must be aware that every thing connected with its diseases is puliarly important & intensting. While I mohe this declaration I am under the newsorty of adding the painful information that some of the complaints of this organ are intirely beyond human control. When you rec-

ollect that the heart is the fountain of the circulation of that it is in a state of perpetual action, you can madily understand that this continual motion is very much opposed to the cure of organic diseases of the part.

I shall commence with the more simple & less dangrows forms of disease, & gradually rise to those of higher importance.

Palpitation of the Heart.

Some persons are fountiarly liable to this disease. From Hight causes the heart is thrown into most violent convulsive action; the patient is subjected to very considerable inconvenience; he is often qualty alarmed & sometimes not without cause. Palpitation of the heart sums to depend on a puntiar irritable condition of that organ. Some pusous possess naturally a very initable date of system, highly dusciptible to slight impressions; Q in Them pulpitation of the heart is included by trivial can-As. Of these causes, I hardly need mention that fear I other mental amotions have great influence. But This puntias condition of the heart is also indued by can-Is more gradual in their operation, & more difficult to be removed than emotions of the mind. Thus any thing calculated to dibilitate the orption may lay the foundation for this complaint. It is an occasional attend. ant on dispepsia. Persons onlyiet to this disease some times duffer much from palpitation of the heart.

Among the remedies which may be regarded as useful, I have found that tonis & antisparmodis hold an important place. When it defends on a puntiar initable state of the system, the indication is wedently to counteract this state by remedies of the classes just mentioned, I to give tone to the whole frame. Among the antispasmodies, assafalidad Hoffman's anodyne are most wriful. In a case which late by fell under ony care, & which was attended by great nervous initability, I derived great advantage from a combination of these articles. If I recollect right, about 3 p of assafatide was rubbed down with 311 of mint water & 3111 of Hoffman's anodyne added. Of this the potent took a table spoonful Several times a day; & he told me that he derived extraordingmy while from it. I do not, however, intend to enter into partimber details of practice, but to give general observations, you will remember then that tonies & antispasmodis are generally useful in palpitation of the heart arising from new vous initability, or simple weakness of the system.

Syncope.

Passing from simple palpitation of the heart, I go on to consider an opposite state of that organ, a state in which its action, from various causes, is momentarily suspended & syncope, or, as it is commonly called, fainting occurs.

Sympho may be regarded as a temporary death. Sometimes from causes very trivial in their nature, persons will fall into this state; The action of the heart will be for a mo-

ment suspended, & they will lay without sensation or motion. If this were to continue for any length of time, the functions of life would cease forever. But Amore as we generally meet with it, is little to be approhended. The system speedily rallies, & the patient in a few minutes is ustoud to his accustomed health. But I here speak of syncope produced by accidental causes, & in persons who previously enjoyed considerable health & vigour. When it occurs in the latter stages of disease, even if induced by causes purely accidental, it is sometimes very dangerous. When the excitability of the system has been reduced by any complaint, & it has thus been undered less able to early its forers, it is sometimes completely overhowed by symeope, a reastion never occurs. Hence in some cases of malignant typhus faces fainting is much to be dreaded. I have known a patient, on attempting to walk across the floor, fall down & instantly expire. In nervous five Agniche is sometimes dangerous. You have heard of cases when death has owned .. ted from profuse evacuations. Patients who have been long ill, when under the influence of powerful purging, some times die in the art of cathairis. I mention this because an important practical precept may be derived from it :that in diseases of a low character we should as much as possible economize the strength of the patient, & prevent under exertion. Hence when the bowels are to be opened, instead of duffering the patient to size, I insist on his pemaining in bid & wring the pan.

Syncope in its common form requires little treatment. Sometimes laying the head low, sprinkling cold water in the pace, & applying volatilis to the nose will be sufficient to restore action: & the patient will recover. But if it occurs in patients previously exhausted, more effectual remedies are necessary. The internal adminishation of volatile alkali, ving the when the internal adminishation of volatile alkali, ving the will be necessary.

In the course of my practice I have met with some cases which I denominate probabled syncope. These are particular by interesting to the medical practitioner: because as I know from my own experience, there is a possibility of blending them with other forms of disease; & the mistake may prove for tal to the patient. I know no letter mode of giving you my ideas whom this subject, than by imparting my own experience. I will therefore relate to you the first case which

came under my notice.

Cade. In the early part of my practice I was, one morning, called from my bed to dee a woman in Mater sheet, who, it was said, was extremely ill. I found her in the most imment danger: - her respiration was distressingly laborious; her countenance was marked with extreme anxiety; her pulse was barely perceptible; & the was under the most fearful apprehansions of immediate dissolution. The entreated me with the utmost earnestness to do something to retire her, When I cast my eye on the woman my frist improsion was, that it was a case of suffocated excitement. That the

system was engarged with blood, & was incapable of acting on account of being prosed down by disease. Happily, I did not act on first impressions; lent inquired into the histong of the case. I found that just before my visit the had been delivered of a child by a midwife who had just left her. They informed me that she had had an unwsually dry labour - the membranes having suplined some hours before the birth of the child. The consequence was that the system was completely worn out, I had passed into the condition just described. I could not however, divet myself of the idea of disease of the thorax. But instead of acting I can to Dr. priffitts (who hind in the mighbour. hood & Stated the case to him. His advise was nearly in these words: Your down the volatile alkali, as much as the can take" I ran back & immediately put the practwo into operation. External Olimulation by sinopisms, to was resorted to, & volatile alkali & other internal otimeulants were also employed. A blister was applied to the chest. Inca fine hours the patient was fee from danger. Now, in this instance, had I acted on the presumption that the case was one of suffocated excitement, it is probable that The heart, already unable to perform its functions, by the loss of a few owners of blood, would have been put into such

case. - Sometime after this case, I saw another bearing some resemblance to it; but not so dangerous. The patient was a young woman who had been attacked soon after

bleeding. It sumed as if the action of the heart had been

bleeding. It seemed as if the action of the heart had been lovered to a point just sufficient to support life, & no more. In this case there was the same difficulty of breathing: he same expression of anxiety & distress; the same apprehensions of death. By the administration of external & internal time ulants, & by the liberal use of assafatida, the was restored to health.

In one of the early volumes of the Echetic Repertory you will find detailed several cases bearing some resemblance to hose just stated.

Spasm of the Heart.

The heart is Dubject, in some instanus, to a very dangerow form of spasmodic disease. Whether the cause operates primaily on this organ or secondarily through any other part
of the body (for example, the stomach,); whether the disease
be simple spasm accidentally induced, or defend upon an
arthritic condition, in wither case, it must be regarded as ver
ay dangerous. - Sudden spasm of the heart may depende
on gout of the ingular form. Hence youty patients sometimes die suddenly. The heart may also be affected thro
the medium of the stomach. From some implicable cause
the stomach & heart are sometimes almost simultanes
are affected, in such manner as immediately to extinguish
life.

Cash. - To illustrate this I will relate the case of Stay Bropham - He was a young merchant of great respectability

A short lime previous to his death, perhaps a week or ten days, he called to consult me about some uneary sunsations in the region of his stomach & chest. Knowing him to be much divoted to the business of his counting house, I advised him to wax a little, & to side occasionally on horseback. His habits were remarkably dober & temperate. Sometime after this I was called suddenly to see this gentleman: I found that at his counting-house he had been Anddenly Diezed with the uneasy feelings. I have alluded to. He had walked home; & just after he entered the par lour he fainted. The family were in great alarm, & I was sent for . When I arrived I found him exactly in The condition of a person just recovering from a fainting. fit - his countinance was pale, & his pulse fuble; but he was intelligent, & there was no sign of any affection of the head. I remained for a considerable time, & gove buch remedies as seen calculated to excite the Dyslem. Ether, wind, I the diffusible dimuli were liberally administered: at the Jame time external initation was resorted to. The system gradually reacted, & When I left him he was apparent. by recovered. But feeling uneasy about the case, it being about noon shen I first called, I visited him as often as how times before bed time. At my last visit he sumed to have recound entirely; & I expected no return of the disorder. I die rected that he should not go to the counting-house that day, but remain till I should call. In the course of the evening he remarked to one of his friends, that if he had

not recovered, he would have had a very easy death, for he was perfectly free from pain. Next day, previous to my calling, I received this history: - that he felt himself considerably better, got up & walked about the room. He nad the news-paper, & had some conversation with his wife in which he informed her that he felt better than at any time before his last attack. He had just taken an egg with a little Madeira wine, & was in the act of cating a crash. a, when in a moment, almost in the twinkling of an eye, he dropped dead. The only person that saw him, except his wife, with the hast appearance of life, was a dewant girl who ran into the room. She said that she heard some Thing like a grown or grash after she entered. Dr. Physick, she lived next door, & some of the neighbours con in immedistity, bent sow no symptom of life. It is probable that a Indden spasm of the heart distroyed him. It soon as Jan rived I pland him in a warm bath, inflated his lungs, I heated on the same plan as in cases from drowning. But all was in vain - there was never after a vestige of vitatily. I made an examination of the contents of the thorax & stomach; lent found every thing perfectly natural. This case may be considered as different in some aspects from angina pectoris.

Angina Pectoris.

This is not a common disease. It has our asionally fallen under my observation, but not often. It consists

partly of spasm of the heart; but the spasm is communicated to other parts. A pain in the arm prequently preceds or accompanies the affection of the heart. The attack is brought on by any exertion as ascending a flight of stains. Patients labouring under angina pectoris are frequently obliged suddenly to stop in the art of extion, in consequence of the occurrence of this painful spasmodic affection.

You will find that the biographer of Hunter gives a detail of the disease as it affected that distinguished man. It sums, in his case, that the stomach partook largely in it. On the first attack he was sensible of pain about the stomach; soon after this his heart ceased to act, & he seems to have believed that life was maintained merely by his voluntary exactions to expand the chest: but I suspect that these exections were a consequener of a natural dense of their newsity, rather than a deliberate act of the judgement & the will. You will find that in this case, the disease could be brought on by slight exertions; but it never occurred in its most aggravated form, unless the exertion were conjoined with some violent emotion of the mind. It was in one of those violent paroxyoms of rage to which his initable temper subjected him, that he was singed with that attack which terminated his existence.

I have known angina putoris to continue sweat years before the patient died. A widow lady of this city consulted me full five years previous to her death, with

these symptoms: - pain in the arm with palpitation & spasm of the heart were indued by any over exertion. but the pursued her usual avocations; & from her apprarane, one would not have been aware of her danger. I was called in consultation to see her. Various expedeints were resorted to; but I am inclined to believe that in this complaint there is not much to be done. Itappears sometimes to depend on an arthritic condition of the oystem; & John Hunter used to deriver great which from the occurrence of a gouty paroxyom. One morn ing The daughter rose & observed her mother in a sweet slich, as the thought it, went down stairs to prepare for breakfast. But it was the duch of death. She was lying on her Dide; Lit is probable that while she was in this po-Dition, a spasm terminated her existence.

I have nothing to say from my oven experience as to the successful treatment of this disease. Dr. Rush thought that occasional bleeding was useful. The French speak of continual blistering with approlection. But my experience is so limited that I can give no decided or prinion.

Rheumatism of the Heart.

I shall now call your attention to a disease of he heat which does not frequently occur, & as far as I know, is not often mentioned by practical writers. If I recolbert aight Dr. Pitcain spoke of the disease to Dr Praily who has given a description of it. You will find an inter-

the 1st vol. of the Eclertic Repertory, by Dr. Dundas. It has fallen to my lot to see a few cases of this rare disease.

Rheumatism of the heart, so far as my observation goes (& the experience of Dundas is Dimilar,) occurs most commonly in young people. young persons who have been subject to attacks of inflammatory wherematism, which is race in early life | are aft to be affected with this disease. Rhumation of the heart consists in most violent pulsations of this organ unattended with pair. On laying the hand on the heart of the patient, you are very much Struck with the violence of the pulsations, & receive the impussion that the heart is of an enounous size. Hong with this, you can easily believe that there will be a corusponding morbid decangement of the pulse. This in Some cases is very iniquelar - the Stroke being sometimes violent with considerable tension, & at other intermitting. Some of these cases continue for years.

care of cheumation of the heart; & after her death I had an opportunity of examining the body. She had suffered in early life from inflammatory aheumatism. She was about 21 years old at the time of her death. & the disease which terminated her life was of about 2 years continuance. At times her respiration was laborious, & the could lay with the head low. Towards the latter stage of the complaint, the was troubled with adema of the limbs; & a few days before

her death the was affected with auto mania. On dissetion I found adhisions on the left side, between the pericardium & the plusa, & unwessal adhision between the pericardium & heart. The ventricles were exceedingly enlarged, & the eight one was very thin. There was a slight ossification of the values of the right anciete.

Inflammation of the Heart.

The heart, like other muscles, is subject to inflammation. There is one fact worthy of particular notive—inflammation of those parts (muscles) which are subserveint to locomotion, is attended with much pain: but there may be deven inflammation of the heart unaccompanied with pain. I well recollect a case which terminated fatally under the case of Dr. Mistar, at the dissection of which I was present. The whole surface of the heart was covered with a coat of coagulable lymph, as also was the internal surface of the price ordine. I have often heard the Br. Day that the patient did not complain of acute pain, but of a sense of wight & uneasiness under the strumum. It was treated on the same principles as a case of preumonia; viz. with bleeding, blisteing, of, but without avail.

During the period that I betweed for Dr. Davis, there was brought into the disorting room & exhibited to the

class an example of this kind; but we had unfortunally no history of the case. The heart of the internal our face of the pericardium were completely covered with a coat of coagulable lymph, which could be puled off with the fingers, a was of a colour resembling that of remnet they.

Some years ago, while I was attending on the Alms-Hown a case occurred of inflammation & supposed in within the pericardium, complicated, however, with an accident, Whether the inflammation of the heart was owing to the injury, or whether it had taken place before it is impossible to decide. I will give you an outline of the case.

Case of Charles Sheppard. _ Charles Sheppard, agod 32 years, was admitted into the Alms-House, 6th mo. 16th, 1819, in consequence of an injury about the upper part of his breast. Owing to the diseased state of the parts on his admittance, the precise nature of the injury could not be ascertained: but a buxation of the clavicle from the sturnum was suspected. Suppuration took place about the upper part of the sturner, anomhonied with a weak pulse & general debility. For this wine, porter, & a nourishing diet were directed. Opium was green to relieve pain. A ten mour but in the neck & discharged pus. The patient com tinued to sink. After a few days he complained of un easiness & anxiety in the chest, with some cough & a quat deal of pain. Before he died he was affected with differoutly of breathing.

On disaction collections of matter were found mean

The upper end of the sternum, exterior to the pluma. Adhe sions had taken place on the eight side between the lungs of pluma, but not on the left. About 3 pints of water were found effused into the cavity of the thorax. The lungs had a healthy appearance. The knife was by accident pushed into the pericardium, & a quantity of pus immediately flowed out. On enlarging the opening, the cavity was found filled with pus, & no less than a quart was taken away. That first obtained was fluid & of a bright yellow colour; but towards the last it was found in coagulated lumps, resembling cheese curds in appearance & consistence. The apret of the heart was towards the sternum & adhered firmly to the pericardium.

I have brought forward Then eases to show that within the pericardium we occasionally find not only inflammation with effusion of coagulable lymph, but also the occition of gunine purelent matter, & that to a very quat extent.

Scrofulous Inflammation of the Heart.

Case of Go. Haydock. - This child had been afflicted almost from its birth. I think I never heard so puediar a cough in an infant before. A person in an adjoining room might have reasonably concluded that the cough proceeded from a man of 10, instead of an infant of a few beachs. He had also an examphalos. When about 3 months old I attended thro, a violent attack of preumonia

which required bleeding & blistering. A blister on the break produced a most surprising alteration for the better at a time when his case appeared almost hopeless. Although he secovered from the immediate danger of the attack, yet his cough, Shich he had immediably after birth, still continued. He was at times afflited most grivously with colie. Duch a train of symptoms naturally called for a variety of rundis; & poor Googe had a guat deal done for him during a part of his short stay among us. But nothing sumed to make any favourable & durable impussion. He was taken into the country; his cough continued; & from accounts, he occasionally discharged purcelent matter. He had also sickness of stomach. A few days before his death, he was suged with convulsions which runned frequently. He was now quite insensible. The day previous to his death I saw him. His pulse was very frequent, & yet possessed some strength. His pupils were very much dilated, & quite insensible to light. From his appearance, & amounts received of his state, as it had been for Iwal days, I was ready to suspect hydroughhalus. He died about To dock in the wering.

As I was about 4 miles distant, Eden Haydock, the folher of the child, kindly informed me of the event, expussing his willingness to allow an examination to be made. Next morning, accompanied by officeed, Dr. Fucker of Builington, I proceeded to the distrition. On opening the abdomen the missentime glands were found to be

closely adhering; but when it was removed, the whole extended has buface of the ventricles was sun covered with a number of small points or tubercles, of a whitish appearance, which entirely obscured the view of the muscular fibres of the ventricles. But on cutting into them, they appeared natural, as also did the values & the chorda tendina. The tubercles did not resemble the crust formed during acute inflammation: for this production is like a membrane which can readily peeled off, while the tubercles were immovable, & must have been of scrofolous origin. The child was of a light complexion, having fine flower hair.

I once daw a comman districted at the Alms. House with the Dame appearance on the surface of the heart. From these cases you percise that perofulous disease may affect the heart itself.

In the course of your practice you will be very much at a loss to find diagnostic Dymptoms between discoss of the heart & hydro-thorax. There is a complaint of this organ which may easily be confounded with drop. By of the chest. I know no better mode of illustrating my meaning than by stating a case which fell under my observation, & which I had an opportunity of examining after death.

case of Penelope Whitehead. _ 2d mo. 1818. The outjust of the present notice was a woman of examplay firsty

She was the mother of a large family of children, a had passed over the critical period of the cessation of the catamenia, Iwal years before the present attack of disease. She came under my care in the fall of the year 1816, & at that time labound under diabetis. This disease was preceded & attended by considerable mental anxiety. I pland her upon a rigid animal dict Which was continued for sweral weeks, & with The happiist effect; for the disease entirely subsided. But It was only a transient calm; a same of complicated sufficing was about to open. It was not long after the cessation of the diabeter before I was called to her in consequence of dyspraca Shish appeared to me to resemble that of hydrothorax: I was the more inclimed to ousput the latter disease, as the dyspina supervened diabites. It this time the was still, for the most part, living on animal food; & I hoped that by allow. ing her the free use of fresh vegetable food, I should bring on a return of diabetes, & thus relieve the breatt. But I was disappointed; for the wine did not increase as I expected, & the dyspina continued & at times was quite distress. ing. Failing in the object by a return to vegelable dit, I proceded to the use of directies; first squill, then squill & Calonal. Continuing for some time under this treatment The widently improved, & on the opening of pleasant weather in the spring, the went to the city of Washington on a wint to one of her friends. While there the experienced troud

own attacks of difficult perfication: but they soon Subrided, & she would then enjoy herself considerably. In proof of this I was informed that, while at Washington, she visited the lamb of the great chieftain on the bank of the Potomach. The party went in a boat. They areended a very high bank, I there was no young person in the company who auom plished it with more rase, & shipped about with more apparent pleasure than our patient. This I considered a veay intensting fact; & it produced serious doubts in my mind as to the existence of hydro-thorax, especially when taken in connexion with other circumstances which I propose to notice. Soon after her return from Washington She had a violent allack of dysproca, & I sawher. Her respiration was laborious & most distussing. But I was struck with the perfectly natural State of the pulse as it regarded force, frequency, & regularity. By the use of antispasmodis, such as volatile alkali, assafatida, ol. De. she was soon relived; lent the was wer after this subject to violent paragesoms Which I will now more particularly describe. These paroxyms always commenced with a loss of blick which was very distressing. During the whole time the complained of being unable to sleep; at least nature would appear to be exhausted, & being fairly worn down, sheep would come to her whif, & the paroxym would berminate. During this paroxysms she was affected with great acidity of the stomach, Hollie very prominent despetich symptoms. Great difficul. ty arose in the heatment at these periods, in consiquence of her inability to use opicion in almost any shape. Such was
the extreme distress of stormach that followed its use that
the generally prefered to suffer from want of sleep than
to employ it. Even in the form of injection it affected her
unpleasantly. But by applying it in poulties to her hands
It feet, I using it largely in a spiried plaster applied over
the stormach, I thought the was sometimes much relieved.
Almost all the antispasmodis were alternately word.

On the solution of a paroxyom she would resume her domestic cases; & I have frequently left her one day almost in a dying state, & the next day, on calling, be informed that she was riding out, or else find her down stairs with the family. She would now lay with her head low in bed,

of there was no unusual paurity of wine.

The summer of 1819 had now opened whom her. She had often derived being to from visits to the sea show, & was desirous of trying it once more. To this I consented, & she sit out for Long Branch. The weather was very hot. She was greatly fatigued on the road, & travelled down during one of her paroxysms, sleeping none at night. On her arrival at the shore, she was meanly exhausted. Her pulor was irregular, her feet swelled, & her dysphnoa distrissing. A medical gentleman, who happened to be in the house, was requested to see his. He had not been accustomed to the case, & I was not surprised at his being alarmed. But he pronounced a rather too hasty & positive diession. From a very superficial examination

430 he duided that it was hydro-thorax without doubt, and advised her immediate removal from the shore. So in a few hours, & in the midst of a most distussing parayym The was hurried away. She assured me that the very few hours the was there, The air was reviving to her when it blew from the ocean, With great difficulty she reached Bordentown, Her husband came on to the city & consulted me. I wrote to Dr. Burns, & gave him a statement of the case. She was now pland on the un of the tineture of digitalis, & The alkaline infusion was resorted to for the relief of her displifter symptoms which were very distressing. While who was at Bor. dentown I paid her one visit. I found her with very con-Fiderable anaranous dwelling of the lower extremities. The air of Bordentown Tremed to mit her very well. The armained there during the hot weather & returned home in The autumn wonderfully recovered. The was now considend a well woman. The walked about among her friend as usual, attended public worship, & the change was truby a pleasant one. But even this was only a transcent calm. In the early part of the winter, the had wident proof That her suffering was about to be senewed. Paroxyms of disproca again oursel. I resorted to digitates, squill I mercury, lelisters to the breast, He. While the most derupulow attention was paid to the regulation of her stomach by animal diet & by alkaline medicines. I wished for a consultation, & Dr. Wistan was called. He fully com curid in the use of directies, antispasmodies, Il. About

this time I obrived that her paroxypms returned at shorts in intervals & between the periods she widently suffered more inconvenience than she had formerly done. The dyspeptic symptoms pere distressing, a her debility was gradually increasing. Paucity of wine was more wident than it had been. She found it more difficult to lay with her head loss & sometimes her pulse was impulse. Her lower extremities were an assarrous. Another change is worthy of remark; errotic, a as I supposed, asthritic pains were evident; a in several of her paroxysms I observed that she had considerable pain in the stomach & bowels. When this was the case, the displaced was less severe; & this led to the supposition that asthritis had a considerable influence in the symptoms.

There was now an evident exasperation of the symptoms in her paroxyms, & the intervals were very short. For owneral weeks before her death, Dr. Mistar & surgerly expected wery hour would be her task. One day I had to have her & go to the Alms- House: but Dr. Mistar remained for a long time, & by the use of sinapisms, Special brandy, volatiles, &. Ohe revived, although her nails were livid, & her breathing extremely laborious. When the state of the stomach would allow, we generally resorted to directies, often of the milder kind, as scalines, jumper bernis, He; & with respect to the diet, we allowed her to take vegetable food on any other kind that was agreeable to the stomach. About this stage of the case my beloved friend, Dr. Wister, was taken ill, & died. In and of the last consultations we had in her case, he mentioned

The great importance of examining all those cases, after death, I stated that a gentleman had died as was supposed, of hydro-thoray; but on examination it proved to be a disease of the heart. The first visit I haid my patient after the di death of my medical father, the afflicted lady clashed his full hands, & raising her eyes in a divotional manner, exclaimed, Who would have thought that Dr. Wiston would have gone before me! But the period was now approach. ing when she was to be released; not, however, without much suffering: for at times she experienced great pain which would suddenly shift from place to plaw. Sometimes it would be very violent in some muscular part; then her buthing would be more cary & the pain in the abdominal cavity clived. But when it left the muscles her distress was alvory increased, either in the thorax or abdomen. Her and sarcous symptoms were distussing, & punctures were assorted to. During violent pain we were compelled to use landanum. The sickness following its employment was tiss than had formerly been the case; While Dr. Wiston attended her we observed that the sometimes discharged a little blood in the mucous she expectorated. It was now more considerable, but did not come wh in large quantities, as in the case of a sudden rupture of a west. But I ought not to omit mentioning that the disposition to enatio pain was menifisted in the neck of the bladder, & produced such distressing ischurice that I was afraid the catheter would be mecissary. For the last two days of her life, the was at times

in a state of agony, & the refund her pain principally to her bowils; & although opiates were und freely, yet the pain continued almost almost to the last moment of existence. She died on the first day of the 2d mo. 1818.

On the morning of the 4th, my friend It. I. I. Hewson accompanied & assisted me in the examination. On opening the thorax there was no appearance of dropsy of the chest, or unnatural effection within the pericardeum. A small & apparently old althosion existed between the right lung & please near its lower part. The heart, particularly the ventricles, was much enlarged, a a slight ossification of the values on the left side was found. On laying open the abdomen, the liver was found much enlarged & diseased, a the small intestines 4-hibited evident proof of went inflammation. They were of a dark end colour, a a small quantity of lymph had recently been effected. Some seven was found in the abdominal country.

Affections of the Heart deemed Incurable.

I will now proceed to consider some organic affections of the heart, which, so far as I know, are entirely beyond our control. Hitherto I have spoken of cases which through dangerous upt present to the physician some facint hope that he may be useful. But the diseases which I am now about to describe, asusing sometimes from accident, sometimes without any assignable cause, are totally without our power to remedy. As an intance in which accident had a considerable influence in producing the disease, I will ulate the

case of William Hunter. - The was a young man, by hate a bricklages, I was called to see him about the middle of the 4th Mro. 1808. He complained of cough & difficulty of breaking, Which greatly increased by any sudden exertion. His counter nance was generally hallid; but sometimes it had a hectic blush. He was not emaciated. This pect were slightly ademators. On hearing his statement, I was indued to suspect phthisis pulmonalis, a requested him to show me some of the matter which he expectorated. I found it was not purulent. The first time I felt his pulse, I was very much struck with its peculiarity - it intermetted after every 2d or 3d stroke, & imparted an indiscribable servation to the finger. As the lungs did not appear to be ulerated, I was lid to examine in order to ascurtain the state of the heart. No doones did I lay my hand on the left side, than I was instantly convinced The disease of my patient was realet in the heart, or the great ver Jels in its vicinity. That there was a monstrous enlarge. ment of the fountain of sirculation, was placed beyond a doubt in my mind. Its motion deemed strong, but extremely la borious. On atking the patient how long he had been sinsible of this great beating of his heart, he said it was about 2 your; that he first observed it after a very heavy lift which trained him considerably. He informed me that it sumed of times as if his heart would beat through his breast,

The can seemed to admit of no remedy, & polliations were

all that appeared to me to be indicated. With this view I prescribed a pedoral mixture for his cough, & candidly gave an opinion to his friends that it was out of my power to do any thing for his effectual relief. I continued to visit him occasionally for about 2 weeks. Three or four days before his death, his appetite was impaired, & he appeared rather more feeble, though he was not confined to his room. One morning I was sut for, I informed on my arrival, that the night previous he had been attacked with a violent pain in his eight side, for which he had lost about 8 oz. of blood. As the pain was still sever, I advised the application of a blister over the part offulid. This had the desired effect; for, on visiting him at night, I found him quite free from pain. His pulse posdissed The same puculiarities, but was rather more feeble, & he was sweating proposely. During the night, or rather about 3 o'clock in the morning, while in the act of recising a dink from his sister, he suddenly expired.

On examining the thorax about 20 hours after death, in the presence of Des. James, Fairlamb, & Clark, I found the lungs perfectly natural in appearance, without a the sions or tuberely. The pericardium contained about 80g, of water, Shich, when taken away presented an appearance movel & highly interesting. The auricles of the heart were enlarged beyond conception; the superior & inferior cava were also greatly enlarged. The artires were perfectly natural. From these appearances we could not histate

to pronounce of a varicon state of the venous system in the vicinity of the heart, as well as an inlargement of the anniels of the heart.

I am now about to state anoth case which may be

denominaled

Apopleyy of the Heart.

I from the best information I could gather, I am strong by inclined to believe, that the interposition of proper practice, some hours previous to the occurrence of this condition, might have saved the life of the patient. It is the

Case of Jarech Ashton . - The patient was about 50 years of age, short, of a full habit, & at that time of life when diseases from plethora are to be expected. Terrious to this attack I attended her with common catarrh. My attendance contimud from the 12th to the 20th of the 3d month, 1812. I left her improved, if not entirely well. Six days afterward I received the following account: On the day the was affected with the illness I am about to describe, the was sinsible thro The day of a violent beating at the heart, with a sense of fullness about the chest. In the course of the afternoon she went into the garden to superintend some of the operations that were going on there, when she was suddenly taken with a some whill, followed by most distursing dyspinow; I she become extremely ill. I was sent for & soon saw his. Her espiration was extremely labourous. It soon as I laid my hand on her pulse, I was struck with a remarkable deviation from the natural condition: There were frequent passes or intermissions, & then a quick shoke would follow, which was at one time feeble, at another strong. Throughout the disease, she was totally unable to lie in a horizontal posture. Dr. Sprefitts attended her with one. A variety of practice was resorted to. She lived till the 12th of the 4th mo. No lumifit was derived from what was done for her, except some transient relief from the use of antisparmosius. Towards the latter period of the complaint the extremities became admatous.

On examination after death, The heart was found to be the seat of this distussing disease. A slight adhesion was found between the left lung & the plund costalis, in a small Shot. In the inferior & posterior part of both lungs, There was an effusion of bloody serum. The pericardum contained about 6 deachours of bloody colouned trum. The ventiles were enlarged & altered in their structure. There appeared to be an iffusion of blood among the muscular fibres, & Their cohesion was so much weathered that they were readily town asundu. The acuta was enlarged to twice or thries its natural diameter, & the enlargement extended beyond its curve. The pulmonary artery was enlarged meanly in a corresponding proportion. The coats of both were very him, I the application of little force to the worte course it to tear. The values of the heart were natural, except a Hight assification of one of the mittal valors.

In this case, as the altered state of the pulse was coeval with the attack, I infor that there was a sudden such of

blood to the heart & lungs, which caused an effusion into the latter, & a quat distension of the former - producing in fact, an ancurison of the heart & a orta. If the distension had proceeded a little further, the consequence must have been immediate death. Had the patient been aware of the impending danger, & had a physician been consulted previous to the occurrence of disorganization, it is altogether probable that copious bleeding might have used has from the disease which so painfully terminated her life.

The state of the sorter explains the irregularity of the pulse. For it appears that several pulsations of the heat must have been requisite in order to throw sufficient blood into that vessel to induce it to act on its contents. I thus to proful the volume of blood forwards to the remote parts of the septem. While this process was going on, the passes in the pulse must have taken place.

This, Then, I consider an interesting case. If I were again called to any case, & should find, in a plethore out.
jut, violent action of the heart, continuing for several
hours, & differing from common palpitation which, like
spasses, comes on sheedily & speedily ceases, I should
certainly think it eight to relieve the blood vessels by
bluding as soon as possible.

I once allended a woman by the name of Hoffner who did of animism of the aosta. In her case the disast was induid suddenly, & came on during a calarrhal at-

you will find many observations on diseases of the heart in several practical works. Corvisant, a celebrated French physician, has written a work especially on discuss of the heart. So far as I can gother, his practice is menty palliative. He speaks of continued blistering as one of the plans most likely to afford relief. Dr. Warren of Boston has also written an essay on the diseases of the heart; I describes several cases, among which is that of the governor of Massachusetts.

Corvisant speaks of percussion as one of the onethods of deciding on the nature of diseases within the thorax. I have not, however, much confidence in the plan.

Sometimes a practitioner is agreeably disappointed. He meets, or supposes he meets, with a case entirely beyond his control, & afterwards has the pleasure of perceiving hot he was mistaken in his calculations. A case fell under the care of Dr. Wiston, which he was in the habit of relating to his pupils. A man applied to him, labouring, as he thought, under disease of the heart. It so happened Shat the Dr. in his inquiries into the case, either took wh The idea that it might be hydro-thorax; or considering that the use of equill & calomel would be of no disservice, thought it proper to try this remedy before giving the pateint up. He was surprised to find that the patient improved under its use, till at length all the violent symptoms disappeared, & a perfect cure was affected. The disease might possibly have been droppy of the pericardium. 440

This Shen distinded vises above the quest vessels, and might easily have given to the doctor the idea of an

enlarged heart.

The French physicians sheak of curs of organic of fections of the heart or large vessels, particularly of aneurism of the aorta. Their plan of treatment is one I have never put into practice, & I am not prepared to say that I shall adopt it, till puther experience shall have proved its efficacy. The plan proposed is to blead The patient almost to death, & by repeated bludings to kup his as low as possible without distroying life. They Day that in this way, by unloading the vessels & taking off all distinsion, they gradually contract till they are astored to their natural diameter. This is their mode I think it proper to state the practice to you; Though in the present state of experience I am not prepared to a doft it.

Hydro-thoras.

This disease is commonly known by the name of droppy of the chest, & consists in an effusion of serum within the eavity of the pluna. It is much more common than idiopathic affections of the heart. We meet with It oftener in advanced than in early life: but it is not altogether confined to old age - tometimes we meet with

it in middle aged, & wen in young people. But it must be agarded as a rare occurrence in the early period of life.

you will not unfrequently much with persons in advanued life, who until a short period before an attack of hydro-thorax, or rather of those symptoms which may be regarded as preludes of the disease, may have enjoyed tolerable health. But when you mut with an old person who is beginning to break fast, in other words loses a good deal of his vigour; Those countinance from a florid colour buomes palled, you may fairby suspect that such a man is about to be visited with

hydro-thorax.

This disease is generally attended with a train of Symptoms well understood by intelligent practition. ers. A patient such as I have described, finds that any effort at muscular extran speedily fatigues him, I brings on a disposition to pant. If, for example, he attemps to ascend a flight of stairs or an elwaled piece of ground suddenly, some shortness of breath comes on, I admonishes him that he must be sparing in his exertions. About this time the wine secuted is small in quantity & high colound; I the potent fuls the necessity of having one or two additional pillows at might. He is unable without considerable difficulty to lay with his head as low as usual; he is also subject to pulpitations of the heart, which sometimes accosion quat distress. The practitioner will discours, in a large

442 proportion of cases an ingular state of the circulation. Frequent pauses or intermissions in the pulse will be observed, & in dome instances are unusual deque of frimness or tension in the stroke: Perhaps there will be some cough; but this is not newsoardy characteristic. As The disease advances, redimatous limbs make thin appearance, & it is very common for patients with this disease to have anasarous swellings. Some patients, morrow, are smaille, in turning about in bed, in cising up, or in lying down, of the motion of a fluid in The cavity of the thorax. In some instances I have known dispetite symptoms to occur, & patients labouring une der hydrolhorax suffer a very disturring aggravation of this symptoms, if they make use of food which dis-

This disease is sometimes of long continuance. But there is one aircumstance attendant on it, of Shich you should be aware: I allude to a disposition in the disease, from some unknown cause to terminate very suddenly & most unexpectedly. Nothing is more common than for a patient in hydro-thorax to die instanter, Shilo engaged in his usual abocations. In the course of my practice, I have met with repeated instances of its sudden termination. I knew two respectable elderly women to die at a time when no one supposed them in immediate danger. Our of them was at tea when the died. I could state several other instances; but then are sufficient.

Occasionally we see the patient worm out in a gradnal way; & he then suffers extremely from the most dis-

tussing dyspnoca.

I have stated that patients with hydro-thorax are unable to be with their heads low: but one case fell under my observation in the Alms House, which was an exception to this rule. In this instance the patient could be with his head low. From this circumplance I was disposed to think that the disease might be as thema: but distrition proved it to be hydro-thorax, & there was an unusual quantity of trum in the cavity.

Another case fell under my notice which was examined

after death by Dr. Price. It was the following:

Bed mo. 28th, 1821. Altended a dissection made by Fr.
William Price in the case of a young man by hade a Shormaker. I saw him twice a few days before his death. I
busheded hydrothoray. He had been a long time affected
with dyspinaa; but it was remarkable that he could
lay with his head loss. The pericardium contained at
bast a quart of Whey-coloured, offensive fluid. The heart
was quite small, a covered entirely with a humbent colours
off matter; sumingly a mixture of hus & lymph. The
internal surface of the pericardium was lined with the
barne. Both sides of the thorax contained a large quantity of fluid. The lungs were natural. The stomach contained an hour-glass contraction which appeared to have
been of some duration. The paneras were inducated.

In the cavity of the pelvis were found several armers of yellow gelatinous matter which appeared to be lymph. I once lost a patient in my hospital practice whose Thorax was full of water, & who could lay with his head low, as in the above cases. - It is unusual for patients labouring under hydro-thorax to be able to his with their heads low : I suspect it owns most frequently when the thorax is full of fluid; I that under such circumstances, change of position will produce less Having given this general discription of the disease, It is now proper to consider the treatment. And here, at the thushold of this part of the subject, I have to announce the melancholy truth, that in old people so for as my experience has gone, the complaint is inemable. The patient may be quatty which from his suffings, I his life may be protracted , leut I leve live he can never be evered. As I shall state hereafter pursons early in life, or even of middle ago, may some times get well. The prinable remedies are directies. It burns, in the management of this disease, as if every Thing defends on our being able to bring on a very fee flow of wine. If you fail in attaining this object, you failure will be truly serious. In practice you will find That some patients are more susciptible Than others to the

lif is much quater.

In as much as hydro- thorax is not to be regarded as a disease of inflammation, I believe it Jeldom happens That a resort to the lanest will be attended with great benefit. In some instances when there is a good deal of thenogth in the patient, on around bluding will afford some transunt relief. There a great variety of remedies resorted to in this complaint. I shall consider several of the most prominent, & give my opinion of others as I pass along. I once saw a case of hydro-thorap in a middle agid man, under the case of Dr. Wiston, which really appeared to be cured, (at least for several years,) by digitalis, after merenny & Squill had failed, Digitatis was used with diligence for some time till it produced a marked effect on the system. But although this medicine is extensively resorted to by practitioners, in hydro-thorax, yet my experience has not been strong in its pavour. I have often used it as a change with other articles. - I one daw a case in the Alms-House which appeared to be seecissfully treated by the use of oream of tartar & gambogs. But no remedy in my hands has been agual to the colonel & squill. I think I can enumerate, in my prac tie 3 cases of moving from well formed hydro-thorax Then squill & calomel were the principle remedies which were employed. But nicher of these patients was for advanced in life: They were about the middle age. I late. by had an apportunity of seeing one of them, after a lapse of you & years. I met him in the street, & I can assure

you I gueted thim with guat pleasure. Hinformed me that he remained free from disease, Calornel was used in these cases in small quantities, so as just to affect the mouth. The plan I generally adopt in the exhibition of squill & colomel is the following: I begin with one grain of calomel three times a day; at the same time I give one grain of squill three times a day. But as it is the object to incuase the squill as far as the storm ash & bowels will bear, without at the same time increasing The calomel, I easily accomplish this by giving the two medicins deparately. I go on augmenting the dose of the squill till it affects the stomach & bowds. If I can get as high as Gor & grains a day, so much the better: but if the squill is good, the stomach will Ildom bear so much. This plan's pursued till a free dimen's comes on, or till the system is affected by the mercury. If the mercurial action is indued I lay aside the calomel, but still continue the squill. At The same time that these medicines are employed, a num ben of direction drinks may be interposed, with advantage. A. mong these, as a pleasant beverage, & possessing certainly din retir properties, is an infusion of juniper luris. 31 of the berris, bruised, are to be infused in a fint of boiling water, & wood ad libertum. Sarsley, water melon seeds, scaleius, hornmint, may all be employed. It is proper to change from one to the other to suit the nature of the case, or the taste of the patient.

In addition to the squill & calomel, I have lately met with a case in which very considerable which was produced

by the steady use of nitrate of potash. This I would advise to be taken gradually till the dose is incurated to as much as the stomach & bowds will bear. From one to how drachms may be given daily, in divided doses, and dissolved in pleasant drinks. In the instance alluded to The patient was an elduly gentleman under the care of Dr. James & myself. By persisting in the use of nitre combined with various directic drinks, we brought on a very copious flow of limbid wine. (The limbid appearance of the wine is one of the best lists of diversis.) The patient in consequence became much better. But as he is an old man, I have no idea that he will wer get entirely well. In this case there was a great deal of ordina, which distinded the limbs exceedingly, & mounted up the abdomen, & took possission of the penis & derotum. (In cases of anasarrous swellings, we frequentby find the penis & scrotum enormously inlarged.) He was qually relieved by small punctures made with a very short lancet, about the feet & legs. It was formuly the custom to ocarify the lower extremities with of drawing off the fluid more rapidly; but I must warn you against This practice. Nothing is more dangerous to the patient. as inflammation & troublesome suppuration, if not gangrene, would very probably come on. But punctures with a very sharp lanest, made to as just to penetrate The skin are generally safe, & often yield very great ad vantage. But wen with all the care that can be taken

I have known inflammation to take place around the pure tures. In this case, a great quantity of water ran off theo.

The punctures; so much that in a few hours the potent

that I was newsay to change him frequently.

In cases of anaparous swellings it would be highly improper to apply blisters as they are apt to induce gan.

Patrints labouring under hydro-thorax, if their extremthis are anasareous, thould always be subjected to certain cautions. They should be warned against approaching too near a fire. Inattention to this caution, in cases when the circutation in the surface is very feeble has been producetive of serious consequences - I have known mortification to result in siveral instances. They should also be advioid every thing like sudden exertion. All their enovements Thould be made with care. They should never attempt to ascend stairs or elevated ground suddenly. For this kind of exertion is aft to bring on despense & palpitation of the heart, & endangers that speedy termination in death, so frequent in this disease. A patient in this situation, however, will be a riding in a carriage, or even on horse-back with very quat advantage, while muscular exertion would be very hazardous. Dr. Wister was strongly impressed with this opinion; I supposing himself to labour under the disease, used to spend a great deal of time, during the oursmer, in viding on horseback, or in a carriago: I I have heard him say that he had never known a case in which injury untled from such a practice.

The bowels should not be allowed to become costive, but the directic medicines which are administered generally have

The effect of heeping them free.

With respect to diet, it must be regulated by circumstances. Some patients bear very well a diet of plain solid food. especially if there are despephie symptoms, it is advisable to work to that kind of aliment which is most acceptable to the stomach. Dysphosia very much aggravates dysphoad & suffering in the disease.

There is another remedy to which I wish to call your attention, before leaving this part of the subject. I have certainly seen it very useful in the case of a middle aged person who applied to me, It is an infusion of ginges, horseradish, mustard seed, juniper berries, & [if it can be obtained] parsly cook, in cide. This is in fact, forming in cider a tructure of these articles. With respect to the purise quantity I am not very particular. The citer should be old & Sound, & free from adultivation. The common sweet-cider, which is frequently adultirated with honey, is altogether unfit for the purpose. This tincture may be taken in the dose of a wine glassful four times a day; Lat the same time The juniper being tea with the sweet spirits of nites may be used as a dich. At tea spoonful of the Sp. N.A. dule. may be token in a tea cufful of the infusion three or four times a

Hydro-thorax is not unfrequently complicated with gout; & when these two are blended, even in a young person, the case must be considered as exceedingly difficult of management. As a complicated can of disease, I know no better place than this, to introduce the following. The patient was a freed of mine, & was engaged in he had busines.

Case of Eden Haydock. - Edin Haydock was a most industrious & temperate man. He was by trade a plumber, & the poison of had soon began to manifest itself in his systim. (See his case detailed under the head of colice pictonum, p.240) He also possessed a strong hereditary tendency to gout, in suffered qually with this disease from early life. It was often inegular, generally affecting his head, for which he was frequently cupped. At one time his hidneys were affected, and I hought was wir relived him. I once saw him labouring under a violent attack of croup which I had good reason to believe was nothing more than gout in the laryour. He had several fits of regular gout which I greatly prefued to any other form. - In his case we have a char evidence that a life of great industry & temperanes will not al ways countrast a strong henditary tendency to gout.

But with all his hodily maladies it was really matter of surprise to see how he would exect himself, I how quitly after being extremely ill, he would again engage most in-

dustily in his business.

In the course of the summer of 1818, he suffered sweet-

by with dyspepsia, & moderately with diabetes. In addition to these he had something like gutta serina. His right-failed considerably & his newous septem was very much affected.

He had great tremous & frequent spasms or juks. Finding himself unable to pursue his business, he took a journey to Ballston, Saratoga, & The Dea Shore; but peturned without material benefit. Not only did dyspepia I newous twitchings harrass him continually; but in addition to these, anavarous mellings of his legs & dyspinoca made their appearance, giving some reason to suspect effusion into the thorap, or some disease of the heart, as he had frequent-palpitations. But his afflictions did not end here; irregular gout often harrassed him; & I was in continual fran Shat Diving Anddonly on some vital part, it would extinguish life in a moment. This fears were nearly realized; for one day in coming out of the water clos It, after having had an operation from the bowds, he was suddenly attacked with what appeared to be apopling. From information it appears that insensibility was complete, & respectation to destorous that he could be heard down stairs. My friend, Dr. Griffitts happened to be near the house at the time, I was called in at a most critical moment He bled Eden freely, I the symptoms abouted. I was sentfor I saw him with Dr. Chiffitts that ming. We blid him again blistered his head, It. He wound from this attack, & with our advise, went on a visit to his father in-law's at Mount Holly. There he became worse, & soon returned.

He was now attended by Des. Park, Chiffitts & myself, also by his brother Dr. Haydock. We tried several plans, but without effect. His constitution was completely broken up. The last few days of his life, he wally appeared to have some uturn of his old complaint, constitution. His strength failed & he died.

Dr. Horner, at my request, examined the body, & found a considerable effusion of terum in the left side of the thorax. The parieardium was largely distended with water. The brain was perfectly natural. The colon was found to have a structure, that was probably of long standing. The bowel was thickend for the share of about an inch in width, & this thickness incided the whole get.

Thave and this as a case of complicated character then gout & hydro-thorax were blended together, & the powers of lead broke down the constitution, & reduced the system to the condition you have heard described.

Wiston, & myself, which I believe to have been hydro-thorax accompanied by symptoms Shich I shall notice.

case of Sames Lee, Esq. - The subject of this case was in the prime of life, a remarkably stout built man, accustioned to use a quat deal of exercise, a to take stimulant, fuely. One of the striking features of his disease was an extremely inacquelar action of the heart. The pairs in the pulse were long a frequent; & during sleep & about the time of dropping to sleep, he was singularly distressed & mound very much. He

He was not constantly on the watch; I doid he often felt as if it was newsday to make voluntary exertions to beache. We kept him whom plain a rather low diet; I cut off the use of all stimulants. We used the squill; I he took, I believe, some landamen at night. Under this plan he improved surprisingly. His pulse became quite regular, and he sumed well. He went to Burlington on business for a few days. Here he defacted from the plan of living prisite, I returned with his pulse in the same state as before. He was again whived. I when he set out for home (Portslige. buth, N.I.) we recommended a life of strict lemperance, as the only possible plan of preserving his health.

Shout a year afterward he consulted me in consequence of a return of the disease. He had lived temperately for a considerable time: but on a sleying party was indued to give

in to his old habits, a the complaint returned.

Here it is proper for me to state that I have been the complaint quite carly in life in consequence of indulgence in intemperance. Not long since I saw a mon about 30 years of age, who labound under hydro-though. Unhappily for him, it could be traved to the intemperate use of ardent spirits. He died inslantly while taking a walk.

Another of them, sho was a man not beyond the middu age, was attached with hydro-thorax after preumonia. This patient got well under the use of Aguill I calomels.

Orfon closing the dulyiet I must again call your attention to the importance of the direction theotenent in this disease. I must also mention as palliations cups & blisters. Temperance in living is very important. But as ugards the permanent ever of hydro-thorax, directing musthe principally relied on, Mercung has considerable in fluence in preparing the system for the use of directies: but remember that to bring on a copious plow of unino

is your object in this disease. To give you are idea of the importance in which directis were held by the calibrated Fothergill, I will state an amedote which I used to hear related by Dr. Wistan. Hum phry Marshall, a botanist of some note in Chester Co. Penn. for a long time maintained a comspondence with Dr. Folheight of London . - Think I have heard it said hot Dr. 7. in his year to promote drienes in America, assisted him with his purse. This gentleman stated to Dr. Wiston hat Dr. F. hardly ever whole to him without impressing on him the importance of discovering some certain & poweful dientie. Now Dr. F. was a man of extensive experience, I felt, as every other experienced practitioner must, the im portance of directies in the treatment of diopsy.

It now remains for me to inform you that in practice you will often feel imbarrassed in deciding on cases of hydro-thonax. As I have Thown in the case of Penelope Whitehead, you may have an assemblage of most of the symptoms attending the effection of serum into the caviYou will recollect that she was subject to distressing dephnace, & that there was a train of symptoms very severe &
ultimably fatal: & yet dissection proved that the complaint was not hydro-thorax; but that all the symptoms
arose from disease of the heart. In this as well as in all
ther cases which I shall mention, the operation of directus did not processe the actif which might have been expected.
The paroxymms of dyspenace were more transient than they
usually are in hydrothoray; at one lime the would been
to be brought to the very brish of the grave, & the next day the
would be down stairs engaged, as the mistress of a large
family, in downstic avocations.

It truly respectable physician & excellent man, Dr J.

Stokes, of Moonstown, N. J. fell a witin to the disease which was generally thought to have been hydro-thorax: Though I was of a different opinion. Unfortunately, I had not an opportunity of ascertaining its real nature by disortion. He was subject, like Dendop Whitched, to most distressing spells of dysphnoca, a at the same line was acted on very freely by diinties. He had none of that marked dimension of wine po observable in hydro-thorax: nor did dimension produce that relief which it usually does in the disease. He could also be with his head love; but this, as I before mentioned, is not to be depended whom as a certain diagnostic. However, several weeks before his death, a tumour was distainely perceived through the integerments of the ab-

believe that this affection arose from the tumous just mentioned, on the vains & lymphatis of the abdomen. The occurrence of this tumous, in connexion with the fact that the action of the kidneys was natural, & that considerable dimensis could be produced without yielding whif, hed me to believe that it was not higher thorax of which he died.

Another case fell under the case of Dr. Griffitts & my self, Shich, in some respects, hore a strong resemblance to hydro-thorax; but I had good reason to believe that all the symptoms depended on inordinate obesity. In addition to this the patient was subject to gout. It was the

Case of John G. Wells . - This case terminated fatally; & I believe was occasioned principally by muchanial im pediment to respiration, in consequence of a morbid aunmulation of fat. The patient was really a burther to him. self. For a long time he was unable to tie down in bid. but generally rulined on a dofa or datin a chair. His wife informed me that for the last two years, he had frequently been in the habit of sleeping show nights in his chair in the parlows. along with obesity he suffered greatly with gout. In consequence of sitting constantly, The pressure on his teat & the back part of his thinghes was such as to produce on impediment to the circulation, & in this way cause the most distrissing anasarous swellings of the lower extremities, an companied with a discoloured state of the skin which really threatened gangueno. Desications actually did occur,

& produce superficial ulcuation. There was a great disposition to somnoliney, & The mental famillies of the patient were widently impaired. Dr. Griffitts saw him with me occasionally. At first, for the while of his respiration and Otupor, bluding & cupping were employed together with blisters to the breast, all without any material benefit. Soon after this a copious expertoration of malter which wally appeared to be purulent took plaw. But still the difficulty of brothing continued, a when he conghed he seemed almost in a State of strangulation. His countinance buame of a dask purple colour. We tried him with calomel & squill, which cound a flow of wine in cotoracts fas he expressed A; I but all to no purpose. A mechanical inspediment bid defeases to every thing. We were obliged to use tonics. He continued to side out occasionally until the day preeding his death. He was found dead in his bed, It is probable he did in a paroxyom of coughing. The rapid advancement of putrofaction after death was beyond almost any parallel. I was informed by a person who attended the funeral, that the Stinch in the house was almost insupportately. They were obliged to lash the coffin with when to keep it from bursting. Even the Dayton total me he was found to vomit.

A few years since a man named Dixon, extremely corpulent, a disposed in the same way to somnolines, was found dead in his bed.

You will periow by the cases I have stated, that I lay great these on determining between hydro-thorax, and

diseases resembling it, whom the action of the hidneys.

In some cases where dystraca has formed a prominent symptom, there is a few & natural discharge of wine:

in other cases, where the fact may be doubtful, dient.

is will operate profusely, I get procure no relief. When you must with instances of this kind, you may consider them as not hydro-thorax.

Some practical bouters have proposed tapping in cards of hydro-thorax. I have never our the practice ties, I for my over part, have no particular discreto try it. It is always attended with some hazzard, & the result is very doubtful. In a case of droppy which occurred in Vriginia, an attempt was made to tap the thorax: but the complaint proved to be droppy of the pericardium. This membrane was punctured & the water evacuated, but the patient died almost immediately.

Diseases of the Head

Hydrocephalus.

This disease as it name implies consists in an effusion of one on fluid into the ventules of the brain; I in common language is denominated droppy of the brain. I regard hydrocephalus as a primary affection of the brain, or in other words on idiopathic disease of this part. That the beam onay be brought into sympathy with various parts of the body is a fact which I will most wadily a don't. I propose in fact, in the course of my observations, to make some remarks on the sympathies of the brain. But I wish you distinctly to understand that I consider all hydroesphalus an idiopathic affection.

Hydrouphalus is very frequently found to be an hurditary discase. I presime that there are very few physicians in extensive
practice who have not been called whom to see children in the

same family labouring under the complaint. The knowledge
of this fact is sarely important; because in families when this

constitutional predishorition is known to prevail, the physi
cian is more on the about, & is disposed to regard every complaint
of the head, however slight may be the appearances as serious

enough to require very close attention.

Hydroughhalus when fairly formed is very generally fatal; I when I hear of its being frequently heated with drews I am much inclined to support that the quantum who give there reports are mistaken as to the character of the complaint; for Irme diseases which are very manageable bear a close resemblance to this.

Disortions show iffusions of orous matter into the cavities of the brain. In some the quantity is very considerable, amounting to half a print; in others it is very small, down as low as one owner, or even less. From observing the similarity of symptoms in cases which have proved fatal, a also the dissimularity in the quantity of effund fluid, as manifold by disser-

tion, I have been led to conclude that there may be , & often is, a fatal, & if I may be allowed the expression, an hydro-capitalic action going on in the brain, without the effects of this action being very shirtingly displayed by distribute of fusion. Breause, whether there is a considerable quantity of water in the brain, or only a very small quantity, the same order of symptoms occurs, especially in the latter stage.

you will find in practical pritus various causes assigned for this disease. I shall not undertake at present to enumer ate all. But I will briefly remark that constitutional predisposition is to be regarded in a very derious light. I that any causes that are calculated to interrupt or disturb the healthy functions of the brain, occurring in an individual with this constitutional predisposition, may excite the fatal action I evolve the disease of which we are now about to treat.

by practitioners in general, are blows on the head. Now, conformably to the view I have just taken, I can early concince that a blow on the head would be much more danger our when received by a child with this constitutional predisposition, then when inflicted on another child who has it not. But I regard blows on the head as seldom the cause of the disease separate from constitutional tendency; a my reasons for this belief are the following: I attended in the Phil, Dispensary between this 2 own years, a during that time had a very extensive of portunity of visiting among the poor, I saw, of consequent, a wast deal of practice. So far as my experience goes, I

can putty safely assect, that hydrocephalus is not more common in the love walks of life than in the higher circles. In fact, if called on to decide the point, with my present views, I should day that the balance is in favour of gentect life. Now, did it depend on blows on the head, it would certainty be a more common disease among the children of the poor Than among those of the affluent. Those who are acquainted with the difficulties with which the poor have to contend are aware that not unfrequently the father & mother of a family are comfulled to go abroad to their work, & have a large flook of very young children under the care of the eldest daughter The herself may not be more than & or 10 years of ago, A child so situated will receive 10 blows or falls where one that is faithfully neword will receive one. Hence the dinase Thould be more common among the poor than the rich; The sweeze of which, however, is the case.

Hydrocephalus is an extremely obscure & often a very insidious disease: I wish to fix this in your minds as an improstant principle. - I find it difficult to undutate a satisfactory discription of this disease in its early stage, as I know
of no one diagnostic symptom. But if called on to speak of
any one in particular, I thould say that an initable storm.
ach, as a general rule, is a very common attendant of the early
stages of hydrocephalus; I it is not uncommon, at the same
time, to meet with constitution of the bowels. In addition to
these you will find an inequal fibrile state - the child afre
praing very sick, nor yet altogether well. This mild fibrile

disposition sometimes disappears sometimes appears in the form of an intermittent. sometimes in that of a mild, but-very very inequal remittent. I have been very much derived by the intermissions in this disease: because, vea-soming a priori, they are entirely opposite to any things we might expect. If for example, the disease is fairly forms, I so important an organ as the brain materially affected, we could hardly calculate that the patient would be for hours together, exempt from those symptoms which mash disease of the brain. Such however, is the fact, & having but decived myself, I wish to guard you from falling in-

to the same orror. Further, as there is so much uncertainty

in this disease, I wish you to be aware that an intelligent

muse or an affectionate mother is frequently aft to take

The alarm before the practitioner is all prepared for the im

pending danger. Hence, I wish to impress on you the

propriety of not treating highly the fears of the mother or

finale attendant who, being constantly with the child &

comparing its present state with the state of health, & more-

own observing all shose little matters which, in the aggragate,

ment as to the nature of the complaint. I wollet attend-

ing in a family in this city, a usputable old lady who had

been extremely ill. Dr. Howson & myself were in attendance

together. In the course of our visits we were frequently requested

by the lady of the house to examine a child of hirs, an infant

of 6 months; I by the solicitations of and the mother we

are so important, are capable of forming a pretty good judge-

were induced to pay some attention to the child as we passed along to the room of the grandmather. We loth thought that the fears of the mother induced her to apprehend dangov. Where, in fact, there was no cause for apprehension. She frequently told us that something was the matter with its head. Some dight medicines were administered; but we resorted to nothing active. At last, however, hydroughalus developed italy in its most alarming form, a in a

short time the infant died.

Un another occasion I was called to a respectable family, in this city, with a truly respectable physician:-This gentleman was attending one of the children of the family with what appeared to him to be a very dight disease, & probably in the same situation I should have been of the same opinion. He saw nothing in the child to excite his apprehension; but the finale part of the family were under great fears, & a consuttation was proposed. This the gentleman declined, stating as his waron was too slight to render it newssay. Here he errid: for I conside en it to be the right of the patient, or his friends, to have a consultation whenew they please; & as the practitioner in attendance bears no part of the expense, he has no right to say it shall or it shall not be . - Ofter continuing for. a day or two he became alarmed & requested a consultation himself. I saw the child with him, & it proved to be one of those very obscure cases which develops themselves

just at the close of the dinase. As you may readily im-

agine, the case terminated fatally.

here mention, as stated to me by my departed friend, Dr. Wistar. In the case of his own child, who was extremely ill with hydrocephalus, he was struck, a week or two before he became deriously alarmed, with a disposition on the part of the child to press its head against his breat, whenever he took it up to comes it. This was evidently caused by an uneasy sensation in its head for which it derived some which prossure.

Another symptom I might mention, Shich in Asme very violent eases may be met with in the early stage: I allude to Iridden & violent Acreams, without our being able to assign any cause. Sometimes, however, if the child is old enough, he complains of poin in the head. By these Indden Screams, the irregular fever, the constituted bowels, the irritable stomach, It. we are sometimes enabled to detect the approach of hydrocephalus. As relates to the heartion of the kidneys, I have been expeatedly disappointed by finding that it went on well. And as to the pulm I do not know that it can be distinguished from that which arrompanies other fibrile conditions of the system.

I have thus stated some of the most prominent symp. toms which characterize the early stage. When the complaint passes along to its more advanced form, when symptoms occasionally become very obvious. Among these, I will

pupil is very largely dilated, strabismus occurs, a sometimes a loss of vision. This state of the people may not appear till a very late period of the disease; & I believe, in The latter stages, it is always observed. - I will here make a remark on the pupil which I consider important. In The most healthy state of the brain, the pupil is liable to dilitation under circumstances Shich I am about to state to you; & a knowledge of this part is of consequence: because, when you are bearehing for symptoms in some obscure cases of disease, to enable you to form a correct judgement, it is absolutely necessary to distinguish healthy from morbid actions. Thus, if you have a child under your sare, a suspent the existence of hydrocephalus, whom entiring the room while the child is asteep & examining The eye, you will find the pupil contracted: but the in-Stant that you rouse the child & its eyes ofun, the pupil Anddenly dilates. This might induce you to suspect that some mischief was going on. Dr. Wislan & myself once of tended the child of a gentleman in this city, who had previously lost one with hydrocophalus. The little fellow has Dome obscure Symptoms & to be on the days side, we should I blistend his head. In the course of our examinations, that condition of the pupil was very manifest. It struck me as possible that this might be the natural state of things. & I suggested to the Doctor the propriety of examining the other shildren the one then aslack in another room. We asly the same result. While they were in a sound sleep the pupil remained contracted; but it instantly dilated when they areoke. The Dr. requested me, when I returned home, to examine my own children; I did so, & found a like usult.

There is another symptom which is not an uncommon attendant of this disease, particularly in the latter stage, tho it may occur of the complaint. This may entainly be ugod as a very unfovourable symptom; I allude to a colling

motion of the head.

Though the pulse, early in the complaint, has the same character as in fewers generally; get in the latter stages a change almost always takes place - it becomes slow, full, a irregular. I have often observed at this period a throbbing motion of the car otids, giving the idea that the blood was driven forward into the head, a there meeting with some resistance, communited a peculiar jar to the great arteries leading to the brain. The same thing may be observed in some cases of effusion of blood within the cranium.

Hydrouphalus is mostly closed by convulsions. Sometimes a day or two previous to death hemplegica takes place. I have this distinctly marked in dropsy of the brain.

From all these views you may understand that this disease is very obsence; I in order to illustrate several of the points I have stated, & particularly the insidious & obscure nature of the complaint, I will present you with an account of the following cases:

2d mo. 15th, 1820. Case of Dr. Hewson's Child. - The longue I live, the more I am convinced that hydrocephalus is often a very insidious disease. I was This day engaged in the examination of a very lovely infant, aged 2 years & 5 months, The son of any esteemed friend Dr. Tho. T. Hewson. The child had been sick for 2 weeks; the first week best slightly indisposed with occasional sickness of stomach & rather a constituted state of the bowels; but with very little fever. It was thought propor probable that worms might have some agency in his indisposition; & I believe some vernifuges were given. About one week after the child was first taken sick, Dr. Otto was requested to visit him; & from the obscurity of the case, he as well as Dr. Hurson began to duspert the head as the seat of the disease, merely in consequence of the situation of the stomach & bowels. A system of aloine evacuations was attempted, I was portially accomplished, but not being followed by that improsessment which was desired, I was called in consultation on the evening of the 10th instant. At this time I found him with perfect clearness of intellect; no intolerance of light; nocontraction of the brow; no colling motion of the head, any & countenance perfectly natural, & a pulse nearly 120 in the minute, but rather variable. As his stomach was disposed to be initable, a blister had been applied to it. When he felt pain either in the rat of the blister, or in the bowels, he was perfully sensible & would refer to the part. Thus he would day his bully asked, oc. but when asked respecting his head, he would acknowledge that it hunt him. His sleep & position

in bed were perfectly natural. On the morning of the 11th, we found that some sinna tea laten during the night had procured droved pretty free discharges from the boreds; but still he was not well. He had pretty generally a slight exacurbation of five about 10 dock every day, & something the sorder appeared on his lips & gums. I entertained a hope that it might be fine of the unitting form, although somether observe; but still, as a measure of safety, it was concluded to shave & blister the head in anticipation of a more developed from of hydrocephalus. This was done in the morning. In The course of the night, the blister produced some trangury & tenesmus. It was removed on the 12th, & a poultier was applied to the head. On the overing of the 12th, we were informed that in the afternoon, he had several times our out in his sleep, & for the first time complained of his head. But alas! his pulse now told us what we might expect - it was reduced to between 40 & 80 states in the minute & was very inrigular: It was truly a hydrocephalic pulse, & we now began to have afflicting evidence that our gloomy anticipations were well founded. Dr. Otto & myself parted from our friend How-In pretty late that evening, with very gloomy feelings, It was concluded to keep up a gentle action on the bowds. But how were we surprised next morning, (The 19th,) when we were informed by the father that our little patient had passed on excellent might & was better. We found that his pulse had entirely lost the character it had assumed the prestding evening, beating at this time 120 thokes in the minute. His intillect

was perfectly clear, & there was not the Hightest complaint or appearance of uncasiness in the head. His vision was good; the pupils were perfectly natural; there was no intolcronce of light, or rolling motion of the head. He would ask for drink, I take the cup into his own hands. The day hassed away very pleasantly. The bowels were moved three or four times, & the wine was freely passed. Late in the evening when we left him, we observed a disposition to dow. ness of pulse; but in no other respects was there any thing to alaim us. It opposes that towards morning he awoke & was evidently delicious. Joon after this violent convulsions insued, & about 80 doch, on the morning of the 14th he did. Dr. Harlan made the examination for Dr. Otto & myself; & reported that he found no water in the eight wentie de; but from the left & from the third & fourth ventuits he procued about 60%, of serous fluid. The vessels of the brain appeared as if injected with blood. The cavities of the Thorax & abdomin presented no unusual appearance, except that the great curvature of the stornach had undergone a very considerable digistion.

The fact of the hulor regaining its frequency after it had assumed the store & irregular beat of hydrocephalus, is to be regarded as somewhat unusual: lent I have seen a similar instance in the Daughter of my priend, Dr. Otto, whom I attended last fall in consultation with Dr. Hen-son. In making this remark relative to the pulse, I do not allude to the frequent pulse which almost inva-

riably owns in the very last stage of hydrocephalus, & often attended with convulsions oc. Dr. - it is a very differ.

and thing from this.

On the subject of the treatment of hydrocephalus, I shall not ditain you very long. We will now presume that we have before us a case of this disease fully formed & that no doubt remains on the mind of the practitioner as to its real nature - what made of practice ought we to in-Stitute for the cure? Those who regard the disease as consisting in a primary affection of the stomach, & a sympethet. is affection of the beain, place great reliance on the use of emities I am unable to speak either for or against the practie from my own experience. Because considering the irritable condition of the stomach observed in this disease as defend. ing, not on a primary disorder of that viscus, leut as titing originating from the sympathy existing between the stomach & the besin, my attention has always been directed principal. by to the head. As constitution of the bowels is very generally an attendant whom hydroeiphalus, the propriety of emptying the alimentary canal by cathavis is very obviour. Hence, in the beginning, I am friendly to brisk purging; & through the whole course of the disease, I am desirous of keeping the bowds, at any rate, in a soluble condition. If heat of Skin & an action Hate of pulse, manifest. ing considerable febrile excitement, exist, general & topical blid. ing, I believe may be advantagiously amployed. Luches to The head I consider as a very valuable part of the treatment. But the umedies which I have proposed, though very proper ain their places, are not alone to be relied on. I think I can say, that I have seen blisters over the whole head of the most essential service. It is a practice which I invariably pursue myself, & which I strongly mornined to you.

I have stated that idichathie hydrosephalus, when fairly found, early terminates in any other way than in death, But in the course of my practice of have seen two or three, certainly two, well formed cases of the disease, which eventuated in perfect recovery. At least they were to fully formed that had the patients died, as I expected, I should not have had any histation in pronouncing them hydrocephalus. One poor child I attended in the early period of my practice, In the progress of the case devical convulsions took place. x in addition to other alarming symptoms, himiplique made its appearance. This child recovered. The money was slow but it was perfect. If my memony serves me right the patient was level two or three times, & the bowels were kept open with calomel. But the remedy which appeared to me to be the most serviceable was a blister to the head. This was maintained for a long time, - not only for weeks, butown for months. I was very apprehensive, in this case, that the disease would have a condition of the intillet even worse than death itself. I watched the child occasionally for several years, & was really fearful that it would be anidist: but happily I was mistaken in my prognostic. Every appearance of the complaint wore off, & when last I

Aaw him, which was several years after his first attack, he appeared to be a very sensible, &, if his mother might be be lived, a very smart child. Perhaps maternal fondness may have exagerated his powers of mind: but it is very certain that not a vestige of the disease umained.

I once attended, with Dr. Perkins of this city, a child of charles Harper, that was very ill with symptoms of hydroephalus. Contrary to all one expectations, he recovered. The bourds were opened & leaches were applied; but I believe that a blister to the head had the most important agency in affecting the cure.

But it is newstary for me to call your attention to another summedy which has been very strongly recommended by some practitioners of distinct commence, who have carried the prothe to a very quat extent: I allude to the use of mercury with a view to its salivant power, or rather its puntian powor on the whole system. That great & justly distinguished physician, Dr. Wistar, was strongly attached to the use of mucury in hydrocephalus; & the quantity which he employed in some cases was very quat indeed. In the case of his own child, now a fine, healthy, & intelligent log, mercury was carried to a very great extent. But I must acknowl. edge that I am opposed to the use of this article, to the extent to which it has been used in some cases of hydroughabuy. Instances have occurred where the remedy has proved worse than the disease; where after the symptoms of hy droughalus have disapprand, the patient has finally

fallen a wietem to the violence of the medicine which was administered to cure him. This generally occurs at a period of life when mercury pushed to any extent is very injurious to the constitution. Dr. Rush, who was a strong advocate for mercung in many diseases, was opposed to its extensive emplayment in children under 10 years of age. So that considering the hazzard incurred by a very otherword employ! ment of mereny; & recollecting that it does not always our and, even when pushed to its utmost extent; remembering too that under a milder practice, we occasionally witness a recovery - taking, I say, all these circumstanus into consideration, I am not by any means satisfied to use this amedy very extensively in the cure of hydrochhalus. With a view to its purgation effect, & in small quantities, to its operation on the system, I have no objection. But to lay the patient in a bed of strong mercurial ointment, & use found after found of this article, is a practice which I confiss I cannot approve.

Sympathetic Affections of the Blead.

Having taken these general views of the treatment to be followed in cases of generic hydrocephalus, I now pass on to the consideration of some diseases of the head which are the result of sympathy. Every practitioner is familiar with the fact that there are various affections of the head which depend on the sympathy of the brain with remote parts. You are all aware

that the brain & stomach have a very remarkable sympathy with such other. Every days experience assures ses of this fact. It is offered as an argument that hydrocephalus is primarily seated in the stomach, because the disease is generally wh. and in by an initable state of that viscus, indicated by nausa I vomiting. Now if we examine this position, we shall find that The occurrence of naura & vomiting cannot be given as a proof that in any instance, the stomach is primarily affected. Because surgery traches us that the stomach may be most violently irritated from a primary disease of the head. I need go no further than to call your attention to concussion of The brain. A person will fall & receive a severe blow on the head which will produce what is commonly called stunming. What is the order of symptoms in such cases? One of the first is a very initable condition of the Stormach - severe comiting is a very common attendant of concussion of the beain. I have known the initable condition of the Stomach to last for a day or two; & then all the symptoms to disappear & the patient do well. But the fact is familiar to evany durgion that a blow on the head will cause sickness of the Homach. Hence why must we usout to a primary of. fution of the stomach to explain a disease of the head, when it is certain that affections of the head may be followed by an initable stomach as a consequence? That stimulants act on the beain through the intervention, we all know - the com mon habit of drunkenness thores this, Strong drink taken into the stomach is very speedily followed by morbid inpressions on the brain - the same thing follows repletion, or distinding the domain with food. This fact was exemplified in the case of a little leay, the son of Elisha English. He partook largely of animal food, & soon after dinner, while playing, he fell down in a state of stupor & complete insensibility. When I saw him his pupils were largely dilated, his shin cool, & pulse blow. A kind of apopletic condition has taken plaw, depending on the engangement or overloading of the stomach. This state of things was relieved by emetics copiously administred, which brought up a large quantity of undigested aliment.

The difference between sympathetic affections of the brain & primary disease of that organ, is very considerable as regards the issue of cases. In inebriety to which we have just alluded, where the brain is so highly excited, we know very well, & daily experience tracks up that dangerous consequences peldom result. And in the case of repletion which I retated an emitie relieved the patient at once from danger.

It has been stated that the Stomach from its peculiar organization is much more likely to be affected by morbid cauord, so as to produce disease of the brain, than the brain is to
be primarily affected. It oppears to me that this reasoning
is not regulated by sound principles. That the stomach
is susciptible of being acted on by a variety of causes, wit
will all readily admit: but when we view the structure
of the brain, the blood recosts ramifying through it, & the
membranes investing it, we can as readily concine that more

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bid causes should out directly on that organ, as that they should first produce disease in the stomach, & Then sympathetically affect it. Disorders of the stomach are exceedingly common; but genuine hydrocephalus, on the contrany, is rose. In speaking thus, I wish to be understood as making a distinction between the genuine & sympathetic disease.

Among the disease of the brain, I will call your attention to yellow five. In this complaint I have been the most profound & deadly coma widently defending on primary disease of the stomach & alimentary canal. I have teen this & on diseaston have found a natural brain. But in hydrough a place we rarely if ever discover a natural appearance of

The heart & brain sympathize with each other. you will find in the works of Corvidant & Warren, who have both wrist-ten treations on the diseases of the heart, that patients are very afet to be affected with maniacal symptoms & evidences of diseased brain depending on the sympathy of this organ with the heart. In the case of a young I met with a disease of the heart, which terminated fatally: I made a disease of the heart, which terminated fatally: I made a disease of the heart, which terminated fatally: I made a disease of the heart in the latter stages. In my letters on continuation I told you I had seen several cases of that disease accompanied with a cute mania in their last stage.

I was once called by the late Dr. Wollens to see with him

a patient in the Northern Liberties affected with a most extraordinary disease of the head. It could scarcely be called pain; but there was a sense of continual bugging which held the patient in a state of uncusiness. Large opicales had been administered by the month, a evacuations of various kinds had been resorted to before I visited him. In this instance finding that opiales by the mouth had failed, & concining that an impression on some remote part might be more effectual I advised an anodyne mema. This was given with the most happy affect. In the course of my attendance Dr. Wollens Stated that some symptoms of hepatic disease had been perceptible. But so severe was the complaint in the head that we seemed to lose sight of the liver, & all our efforts were directed to the bruin. Soon oftenand the patient died. Dissection exhibited to us a very large abscess of the liver. In this instance Dr. Wollins offered an explanation of the symptoms of the brain entilled to credit from its ingenity. He observed that in many cases of inflammation of the live to much complaint was made of pain in the shoulder, that practitionare had been indued, in some instances, to apply a blister to the part, but we shout any pleasant effect. If the shoulder is affected to such a degree from disease of the live, why may not the brain also sympathize with it? And in this case there can be no doubt that the complaint in the head was sympathetic, depending entirely on the hepatic disease.

The bowds, in some instances, sympathings with the brain, & in a most extraordinary manner. As a confirmation

of this, I refer you to the case of Jos. Gilbon's child, (see p.) in thich mannia of a very empleasant nature was indued

by a spasmodic offection of the bowels; also to the case of a little girl, attended by Dr. Wistar, (see fr.) that fell into a state of mania which continued for 3 weeks, & then sud

denly disappeared in consequence of the discharge of a large num.

ber of ascarides from the rectum.

Ordent affections of the head we well know, depend, in many instances on primary disease of the stomach. Among this affections not the least unpleasant is the sick headach. This is a disease to which some individuals are peculiarly liable. The sufferings of apprehensions of danger during the paroxyrm afford no little uneasiness; yet it may continue for years without danger. For an excellent paper on sick headach, I refer you to the posthernous works of Dr. Fother engill who was himself afflicted with the disease.

may be affected in consequence of sympathy with various parts of the body - not only is the stomach to be regarded as a point sympathizing with the brain; but even the heart & the contents of the thorax may be so affected as to produce apparent disorders of the head; the same may be said of the small intestines, the rectum & the liver.

But it is of quat importance in a practical point of view to ascertain the deat of disease to as to attack it with the faint prospect of duccess; I with my views of idio-pathic hydrocephalus, that practice which is directed to the

Stomach is not conformable with my notions of shatis proper. I with particularly to impress on you that an inutable stomach is no more to be regarded as the cause of hydrocephalus, than the same condition, under other circumstances, is of concussion of the brain. Hence the practice of giving emities does not appear to me exactly accordant to my views; & yet of metis experience shall prove it most successful, I hold myself ready to adopt it. In the course of my practice, I have sometimes been very much at a loss to distinguish between ideopathie disease of the brain, a that which depends on certain conditions in fever. The infantile usmittent described by Dr. But. ter (whose work deserves your attention) is characterized thro. every stage by a strong disposition to coma. Thave sun The coma continue many days. At one time I thought I had discovered a certain diagnostic between this fever & hydrocephalus. It was this: Ithen coma occurs in hydrocephalus, it generally happens that the child is not in an initable state. It is a difficult matter to excite it. & you may handle & move it about without disturbing it: Whereas, in the infantile pemettent, the coma is accompanied with an initable condition of the mind, & a fulful disposition. When you attempt to make an examination, the child turns quite round & sums unwilling to be disturbed. By this circumstance I thought I should be able to distinguish between the two complaints. But out. Irquence experience has led me to the conclusion that

This is not an infallible diagnostic symptom. For I have seen an initable condition of the mind in hydrouphalus, which might be excited even after coma had appeared. But in cases of other clisicates which have faller under my observation, I have never met with the hydrocephalic pulse. To this pulse I have before partie ularly called your attention. I mentioned the case of Dr. Herson's child, & also that of Dr. ottors. In the former The only circumstance which enabled us to decide possitivity, as to the nature of the disease, was the peculiar pulse. It was How & inegular; & what is remarkable, gave way to that frequent pulse which is purliar to five ; but it again returned. I once had, in consultation with Dr. Neil a patrient of Dr. Hurson's under my care, a yound lady by the hame of Mareos, whose case had every appearance of hydroephalus except the pulse; & contrary to every ration al expectation, we had the pleasure to see her recover.

Every practitioner meets with some very obscure cases relative to which he is unable to duide whether they are hydrocephalus or not. I I believe that many instances of recovery from repeted hydrocephalus, are nothing more than the common infantite remittent of our country.

Apoplesey.

Shopleyy consists in a distinsion or whether of some of the blood vessels of the brain. This is a very distinct discase from chilipsy : - & just at the thishold of the subject, it may be proper to devote a few minutes in drawing a line of distinction between them; because I regard a proper diagnosis in this case, not merely as a matter of currosity, but also as a matter of wal utility. Apoplexy requires a different course of treatment from that which is demanded in many cases of epilepsy, particularly when this complaint is of a chromis character. How are we to destinguish between them? In both there is insensibility; in both the patient is suffering under what is called a fit. One of the most umarkable points of difference is this: In epilopsy we see thouggling, & in many instances, violent muscular exertion: whereas, in apoplify there is generally a quiesent condition of the muscles. In the latter disease we find a dow, laborious pulse, which is Iddom to marked in the former. Epilipsy is a disease of frequent ourrence; it often acquires a chronic charaction, & may continue for many years. I think I have Seen quat mischief in practice from confounding the two discours. I recollect a case of chronic spilipsy where depletion pas carried to an extent altogether remarkable I the patient unnecessarily brought into ininent danApopley & palsy may be regarded as grades of the same disease; & it is not uncommon for apopley to terminate in himiplina or a parolytic affection of the side. Apopley is not unfrequently prended by some premonitory symptoms; & I am inclined to bedieve that there are few phyricians of any experience who if applied to at a proper private, would not be able to word off the disease in many instances. If you find a patient under an obtuse state of mind with heaviness & a disposition to sleep, with a full, slow & powerful pulse, & giddeness of the head, you may sustput that an attack of apopley is approaching. Under such circumstances pretty smart deplition will often prevent the occurrence of the fit.

I have known one instance when the disease was preceded by an universally initable state of mind. The ease was that of a young lawyer who had previously consulted a young practitioner of medicine, a prind of his, who not fully appreciating the nature of the disease, directed an emetic. The very same night that he took this, an apoplettic fit sign him, which terminated in polary of the night side, from which he has not get recovered, though several years have classed since the occurrence of the attack.

There know one instance show the disease post Dr. Prush divided apopleyy into two species- he Shite & the red. The phito, as you may easily imagine, is by for the most dangerous & fatal form of the disease: for we mean by his term hat condition where effusion has

has absolutely taken place. But in the red apopleyer there is reason to believe that nothing more exists than simple distension of the vessels, which may be removed by a timely interposition of the land, a falal consequences thus prevented.

The termination of apopley is, in some instances, instantation taneous - death sums as suddenly induced as if a bullet had passed through the brain. I once daw a case prot quite so ended on this, which was attended with a condition of the mind somewhat peculiar. An old black man, 80 or 90 years of age, was in the habit of attending Friends the ting in sheh street - One day he fell down in the theeting house in an apopletic fit; he was carried out into the yard, & I saw him immediately. He accovered so far as to give correct answers to some questions which were put to him, complained of sich stomach, & perhaps in less than 5 minutes afterwards expired.

Hed apopleyy may sometimes be most happily treated, if vigorous measures are interposed at the eight time. I was once called, with Dr. Spiffitts to the father of Dr. Harlan, the was attached, as he was realking through market, with a fit of apopleyy which produced himiplegies. But in this instance, the timely inhiposition of proper practice distributed all the dangerous symptoms, & in a few days he was about as before; I he has since continued free from the disease.

Apopley owns at every period of life; though it is more common after the middle ago, & in advanced life.

Even the most tinder ago is not exempt from the apopletic thicke; & it is not uncommon for pusons in the most active puriod of life to fall victims to the disease. I once attended a young lady under 20 years of ago, with a dight paralytic affection of the mouth, which appeared

The was treated with warrations, & sumed to be getting bother. Soon after this, I was meddenly called in the morning. De. Chapman, who lived near & had also been called,) was already there. But we arrived merely to see her expire.

We read in books, & the opinion too is generally received, that certain configurations of the body predispose to appropriate to the disease. I helieve that the opinion is not without some foundation. But it tey no means happens that persons of an opposite conformation are free from the disease. I have known it to own in persons of a most remarkably delicate form, who were not marked with any of those precedianties which are supposed to indicate a predisposition to the disease.

The state of the smind in this disease waris most surprisingly. Although we generally find it looked up in a state of profound coma, when the altack is violent & deadly; yet in the case of old Primus, he black to whom I have alluded, there were trigns of considera. ble intelligence. In a case of fatal apopleyy, where the pupil was dilated, the pulse laborious, & every thing in-

that truly astonished me. I wollect being called to a Swiss gentleman, residing above Bristol, whose name was Leopold Nathnaugh. When I saw him, he was in the state just described; yet his intellect was to far expable of bursting the barriers of disease which surrounded it that he accognized me, a told me that he knew my father & brother. Yet when allowed to rest he fell into a state of coma with that stertorous respiration which forms to prominent a symptom of the disease. He finally did.

Dr. Chandler, a medical character & a Milhodist preachor, was drived with an apoplectic fit while standing in the pullit in the act of preaching. His intellect was also remarkably clear: but he never movered from the

attack - he linguid along & finally died.

Shough the pupil is generally dilated; yet I have seen cases of apopleyey where it was contracted. This you will readily believe, when I call your attention to cases of compressed beain in which great variety is observable in the state of the pupil. This being often largely dilated, I in many instances morbidly contracted.

Having given this general outline of apopley, & considered it as a disease in which there is an under determination of blood to the head, where the vessels the vestels are in a state of very quat distension, & suptime often ensues, it is now proper for me to mention those indications of cure on which the practice ought to be grounded.

In red apopley, when you are called to a patient with a flushed face, slow, powerful & laborious pulse, stertorous breathing, & other symptoms indicative of the most extime danger, you cannot bent be impussed with the importance of this injunction; "what thou doest, do quety!" This is a moment for duision & vigorous practice. To un. load the blood-vessels promptly is the first indication: &if The symptoms are very regent we are to resort to other parts buside the arm. When you wellet how aussible is the timposal artery, & with what entire safety it may be divided, your own good sense will suggest to you the propriety of opining one or both of these vessels. I have seen the cir culation so powerful in the temporal actives, that a consideable amount of blood has been obtained from them in a short space of time. I have sometimes, after bleeding pretty fully, removed the bandage from the arm, & allowed The blood to flow simply from the impulse of circulation; for it is much safer for the blood to find went through an orifice in Meann, than for the vessels to relieve themselves by effusion on the brain . - I was once called to a patient, named Tames Higgins, who had been several years labouring under himipligia, when he was attached with a fit of apopley which proved his last. The violent action in the temporal artires indued me to open both, a so forible was the stream that it occasioned musical sounds as it shout against the sides of the tumbles. In the care of my respected friend & worthy neighbour, Dr. Dusslop; who was pudispond to apopley, & had suffered under several attacks,

upon calling in accidentally to visit him, I found his face flushed & other symptoms amounting almost to another attack. I opened the temporal artery, & in a small space of time obtained 16 or 20 og. of blood. He was sickens by the operation & I stopped it. - To illustrate my practice with regard to bluding in apopleyy, I will state one or more cases which have occurred to me.

Case of Nathan Field .- This old gentleman possessing a powerful constitution & a very plethoric habit of body was attacked with red apopleyy, or rather the disease was in its forming stage & had hardly developed itself. He had been ingaged in a cellar in Dawing or splitting wood, & had und considerable exertion. Soon after coming out of The cellar he was attached, & was found in this condition. His face was very much flushed, his pulse very strong & slow, there was an obtun state of mind, but not perfect insensibility; his Speech was very thick, & there was considerable loss of power in one dide of his body. Under these circumstances, I immediatily opened a view, & bled him freely. Guided by the State of his pulse I let the blood flow till 60 og had been abstracted from his arm. By this time there was an evident abatement of the dangerous symptoms, & his arm was tied up. Dr. Spiffitts saw him with me in consultation. After this he was enfped freely. By these means & by the use of other remedies which appeared appropriate, a recovery was effected.

case of Amos Taylor . - He had been for some days pre-

iness. He was much dis posed to sleep, nodded frequently in his chair, & was affected with vertigo. This condition of things lated for some days. If a physician had been made acquainted with these circumstances, & proper measures had been employed, the attack would probably have been worded off. Late one night, I was sitting in my parlow reading or writing, when his son-in-law came cunning down with great pricipitation & requested me to see his father inmediately. I can up, & it was happy for the family that I had not gone to bed : for from the violence of the symptoms I think it probable that before I could have during myself, the case would have terminated fatally. When I came, I found him with deep stertorous respiration, a la borious pulse, & a total quiescence in his museular system. I at once recognized apopley, & immediately resorted to the land for his whif. I abstracted about 40 og. of blood, At this time his pulse gave way, & something like symeope occured, which very much alarmed us. From this, however, he movered. The immediate danger disappeared; & though he still labours under hemeplegia & a partial loss of speech, get we are not without hopes that the power of his muscles I his speech may be restored, I a life of much usefulness presured for his family & friends.

Note. _ 1825. The gentleman above alluded to has not yet recovered the power of distinct articulation. He has considera-

ble auteness of mind, & is able to calculate, ol.

In addition to local bluding from the temporal arting

I general bleeding from the ann, in cases like the preceding, you can easily understand the absolutely necessity of unloading the bowds by active purging & by injections. After these have been Thoroughly evacuated, I believe, in many instances, great benefit will result from the exhibition of calound with a view to its effects on the whole system. Dr. Griffitts is much in the habit of purging with calomel alone. Thus, he administer & gr at intervals of a few hours; to that at the same time they open the bowels, by lying in the stomach, they also produce the general mercurial impussion. But I prefer bristo purging in the first instance, & afterwards a risort to calomel in small doses with a view to its action on the system. Tho no absorbents have been discovered in the brain, get the dis-Lections of Abernethy & others show that linous have been produced by apopletic effusion, a traces of them left, though The effused fluid has been removed.

In addition to these general remedies, it is also proper to usort to expling on the temples, forehead & neck, a to extensive blistering over the scalp. I wish strongly to impurs on you the newsoity of employing blisters, which should be large

I helpt open for some time by stimulating dussings.

With rished to the treatment newsay for the paralysis which occurs after apopleyy, I shall for the present wave the consideration of it, till another time.

Having taken this general view of the disease itself & of the treatment as applied to the common form of apoplety, in its more hopeful condition, I have only to remark, that

490 in the white apopley of Dr. Rush there is little chance of forded us of doing any thing: I get even here, though you have a very slight prospect of Jucuss, if the pulse will ad mit, you should assort to the land & ascertain how for evacuation can be borne. But if the pulse faltus, & cold, clammy directs are observed, vigorous dipliting measures should certainly be avoided. While speaking of apopleyy as it commonly appears, & of the treatment which answers to well in certain cases, it is necessary for me to inform you that exceptions to the rules laid down, will occasionally be mot with in practice. Perhaps it is in consequence of meeting with some of therexceptions, that certain asputable practitioners consider the ab. straction of blood as of doubtful propriety. Dr. Follergill, if my memory derves me night, was rather opposed to U.S. carried to any great extent in this disease. Terhops he fell in with some of the exceptions alluded to, & suffered him-Dely to be influenced too much by his own experience. I once altended, for Dr. Griffitts, a patient who was attacked a few hours before I saw him with apoplexies & hem. ipligia partially induced. When I visited him, the symptoms appeared to me to require the five use of depleting must unes. I bled him, but not to the extent of the cases which I have before mentioned. Cups were also applied to the head. Soon after this I left him & informed Dr. Criffitts that I had sun his patient & wished him to wint him soon. He did Do, & found that he had fallen into a state of most alarm-

ing debility: to much so that it was necessary to work to wine - whey, sinapisms, se to rouse him. These remedies prodund a temporary effect; but he altimately died. But a much more extraordinary case than this some. Dr. Perkins was attacked with what appeared to be apoply, I at the dame time, with himipligia. I was requested to see her with her son - Dr. Thomas had also visited her. Men I saw her De Perkins told me that he had attempted depletion; but found that she could not bear it. I thought it was with the Dr. as it is sometimes with me when called on to prescribe for any of my own family - I supposed that his feelings had got the letter of his judgement, I that he was not so capable of duiding on what was proper, & What improper, as another who was not to close interested. I was disposed to try what would be the effect of some evacwation. Dr. Thomas remained with his during the night. Some cups were applied; but by a small abstraction of blood, The pulse was Deriously affected, & further depletion could not be borne. We therefore disited from the dipleting plan, I the old lady got well under very mild treatment. I thought it proper to mention these exceptions, so that you may be on your grand if you should chance to fall in with dimilar ones. You should not however, be so influenced by them as to lessen your confidence in bloodlitting as a general remedy, which long experience has proved in the majority of instances to be the most simbable, I in many cares obsolutely necessary.

I now with to make a few umarks relative to apoply I halry in very old people. Some of them will not bear much defilition, & yet do well. My honound mother is an instance. Two outs belied her sufficiently. She was affuted with humiplegew, and almost a total loss of hower in The Shole frame. Gratte layations, a blister, mustand whey, H. were employed, & The recovered. Other cases of a similar hind have occurred. James Jours, and old man who lived out of town was singed with apoplay, & hemiplegia ensued. He was visited by Dr. James. As the patient was very old, the case was considered hopeless, & the Dr. thought it unnecessary to repeat his visits. Sometime afterwards The Dr. Jaw a man piding down such thet on a young horse: I who should it be lent his old potent, James Jones! He rode up to the Dr. & asked him if he had seen a shay hora, I told him that he was in pursuit of one which had escaped from his field. The result of this case shows the improprinty of abandoning the patient till death ensus. Dr. Phineas Bond, an old & highly respected practitioner, flong since dead, was in the practice of purging patients that were predisposed to apopley, with allows, for the expuss purpose of bringing on humowhaids. This practice I consider important in many cases. When there is and affection of the head, which is obstinate-resisting the usual remedies - ask your patient if he has wer had he monthoidal tumours, or a discharge of blood from the hemorshow dal wirds. There are some men sho have discharges of.

blood from these vessels which own with as much eightiety as the catamenia in femalis. I know a man who has a discharge of blood from the himorrhoidal vessels which occurs regularly one a month. When palients of this description have affections of the head in consequence of a suppression of these periodial evacuations, you will see the newsity of resorting to active pungs.

Some people are subject to vertigo. This may be induced by a variety of cause - it may be oursoned by the too free use of strong tea & coffee, DE: it may also depend on a deranged state of the stomach. I had a patient under my care who was troubled with this affection. He staggered about, I in all his movements appeared like a man intoxicated. I regulated the Stomach in the first place; but this did not remove the affection of the head. On inquiry I found he had been subject to himorrhoids. Then brought on piles by active purging. I also bled him from the hemorrhoidal vessels, which he acknowl edged did him more good than any other remedy that had been tried. Dr. Physich was called in consuttation. Me concluded to give him a good dit. I this sumed to afford him some relief. Dr. Physick said that he had found 15 drops of landamin occasionally given, to prove beneficial in some of these cases. We resorted to it, & apparently with some advantage. The Dr. Juggested the idea that his disease was not altogether real; that much of it might depend on previous habits - having been ascustomed to totter on his staff, this practice had become habit. ual; a that it might be associated with hypochondiasis. I must resorted to Hermutatories - first turpeth mineral, then

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poke-root, for the purpose of reliving the vissels of the brain by a discharge from the nose.

Disease of the Head resembling Hysteria.

I now with to call your attention to some cans of dinand head resembling in their symptoms the common forms of hyp-

teria: but not exactly resumbling that complaint.

10mo. 30th, 1818. - Died this day Thomas Dunn, aged 22 years, a journeyman blacksmith of Joseph Gatchel. The patient called on me in the afternoon of the 27th, complaining of Devere pain in the head. His pulse at this time was not tense. I directed him to go home & be cupped, & ordered an emitie of operamanha. In less than half an hour, I was sent for in haste. I could not go immediately : but sent Charles Mattack, one of my pupils, with directions to have him cupped; to omit the smith till I should see him, & to apply sinapisms to his feet. For I had some doubts as to the propriety of an amitie if the affection of the head should prove ideopathin; & from The sudden missage I began to conclude that the case was more Derious than I at first apprehended. Soon after he had been cupped I visited him, & was informed that on his return he appeared delinous, & that several persons were required to hold him. When I saw him he was quite Densible, his pulse was more excited, & he complained of dever pain in the head, particular. by in the forehead. I directed some blood to be taken from the arm, a ordered a cathartic. In the wining I gave him pills of

assafatida & applied a blister to the nope of the neck, as he has considerable restlessness with severe nervous spells, & pain in the head. In the course of the night he became so ill that he was again blid. The assafatida was continued. My friend Dr. Moore, (living near,) Daw him in the night. He had injections administrated shick operated. His stomach became initable in the course of the day, & he generally rejected all his medicing. From this time his bowels were rather confined. The next morning he said that he was much butter: lust in The course of the day he grew worse. His newous spells were frequent, & he had a convulsion; & Joseph Gatchel's wife informed me, that his lips & nails were blue. When I saw him in The evening he was sweating most profusely. His pulse was full & rather frequent, but not tense. He did not sheak; but he appeared to understand what was said to him. He hund round towards the candle, & [mark the fact / his eye appeared natural, & the pupil contracted before the candle. I asked him to put out his tongue, which he would not do; & When I padged unged it, he evidently clinched his jaws more firmly. Indeed he had precisely the appearance of an hysterical patient who was affronted at the idea of the disease bring known, & determined to make himself appear to superficial observers as very ill. In the course of the day I directed his head to be shaved & his scalp cupped. In the evening I ordered a large lelister over the Scalp & frictions of thong mercurial ointment. I observed this evening that he scratched his lip-a proof that he was awake to very slight impressions. His mother

told me that he read the newspaper this morning; & I gatohel said, that in the course of the evening, he played with his brother's watch chain, at a time when he did not speak. This was a case worthy of close attention; for early the next morning, the poor patient died.

The nervous spells with which he was affected bore a most striking resemblance to a case of hysteria. I should have regarded the disease as such, & told I. Gatchel that I was inclin. ed to believe it nothing more: but happily for my subsequent reflections, I also mentioned that two cases bearing a Strong resemblance to it had failer under my notice both of which provid fatal. One of these cases was that of the wife of Thomas Field. In both of them I pursued active treatment. In the case before me I also thought it proper to act as if there were derions disease of the brain; & I now rejoice that I did Do: for had I heated it lightly as common hysteria, I should have felt very unpleasant on finding him dead, I was partie. ularly alarmed when I heard of his blue nails during a nervous spell. I concluded that this must have resulted from Something more Derions than an affection of the nerves.

The patient often complained of pain in his head, espicially when showing horses. He had formerly been intemperate; but for the last two years of his life he had been a sober man.

The day after his death I examined the body. The beain appeared tenged with blood - the vessels sumed to be injected the right venticle contained more fluid than natural. Over the whole surface of the brain there appeared some se-

rous effusion. I should suppose an ounce & an half or too ounces of serum snight have been collected. The brain perhaps might be said to be bloated.

On opening the thorax there was found the effect of some complaint of the chest, but not recent. The left lung was partially adhering to the plenea by some old & firmly organized bands. The perior dium contained about 30%, of serior.

Monght it proper to throw then cans before you, as you may hereafter meet with out in your practice. They resemble hysteria: but in thin result they are very different from this complaint.

Gout in the Head.

While on the subject of diseases of the head, I will call your attention to transtated good. It not unfrequently happens that hersons affected with the good are subject to very considerable danger, in consequence of its receding from the extremities Late tacking the brain. Samiliones the phenomena of apopley deputs as treatment in many respects similar. But when you have as certained that gout in the head exits, a discovered from which of the extremities it has receded, while you direct those remedies which ariumstances call for, as bleeding, cupping, It. I wish you to be impressed with the newscity of making, as early as possible, strong impressions on the part previously affected. For this purpose sinapisms should be applied: These invite a return of the disease to the setuation before our pied where, those

painful, it is much less alarming & danguous. Sometimes gout in the head assumes a chronic form. The same may be said of cheumatism. If it puts on a violent form, the same gunaral plan of treatment is indicated; if of a more chronic character, those remedies should be employed which are adapted to the treatment of chronic rheumatism. Those used the quaiacum, particularly the volatile tiniture, occasional culping, & blisters behind the care, with advantage.

Nervous Headach, Hemicrania, &.

There is an affection of the head to which I wish particularly to call your attention. It is one which you will oursion. ally mut with in practice; I you will some day acknowledge that the information now imparted to you, has not bun altogether unavailing. Tallude to hemicrania. By This I mean a painful affection of the head, generally confined to one Dide, & hot unfrequently recurring at stated peands like intermittent five. During the paroxyom the suffering of the patient is extreme. In a case which not long some fell under my notice, the lady deland, that It really sumid as if her eye would but out with pain. Now, I believe himicrania to be generally connected with a puliar disordered condition of the newous Bystem; I that if it were considered as a disease of inflammatory character, & measures were adopted accordingly, I am

inclined to the opinion that the object of reliving the pabent would not readily be obtained; but, on the contrary, That the suffering would be increased & the cure protracted. I revolled that in the carly period of my practice Tattended a young lady with this disease. I had resorted to Iswal plans, particularly of the evacuating kind. Cupping had been used, & some temporary benefit seemed to risult; but the effect was not lating, & the disease frequently recurid. Dr. Wiston was called in consultation. He proposed that the patient should take the infusion of valerian root in the dose of a wine glassful every two hours. Under this plan the movind. Dr. Barton in his lectures was in the habit of recommending a combination of valuan & back. I believe that in some instances the stomach has a very strong influence in maintaining these unpleasant. I will read you some remarks which I committed to writing soon after the occurrence of a case Shick Tattended. 3d mo. 1820. _ I have lately had several cases of himicrania, or headach confined to one dide of the head, & genorally to one shot; for example, over the eye. In some instones it is periodical like intermettent fever. The case of George R. Rhun's sife was a striking one - The pain come on every day about noon & went off in the evening. The informed me it felt as if her eye would burst out," so aute was the pain. I directed her bowels to be well openil; & as I suspected the had acidity of stomach, I di

certed a wine glassful of the alkaline infusion threetims a day, & gave her that dovrign remidy in these cases an infusion of valuan I back. I directed an owner of The bruited valuan root to be infused in one pint of hot water, & the mixture to stand till cold. The liquor was then to be decanted I a wine glassful taken wery hour, begiving early in the morning & adding a small tea spronful of back to each dose. If the pain should come on, the use of it was to be suspended. She took in this manner, for the Space of two or three days, about one pint of the infusion of valinan & half an ounce of back daily; 2 most satisfactorily recovered her usual health. During the treatment I directed a solid diet, such as beef, mutton, oystus, H. De. & paid particular attention to keep her fut rearm with Cayenne proppered dock.

Inflammation & pain in the frontal binuses, I have mother metherith in the course of my practice, I have no test cases. But this disease differs in its periodical at tacks. Whenever I find headach confined to one side of the head & assuming a periodical form, I always our put a peculiar morbid condition of the newous system, which will require antispassmodics & tonics to ef.

fut a cure.

I attended a gentle some time ago, in whose case two modes of practice were tested. He had been under the care of a highly respectable practitioner several years before, with the same disease. The affection was suf-

posed to be shownatic, & the remidies were of a depleting character. He was confined for 3 weeks during which time he suffered a great deal; & at last the disease ocemed to wear itself out without any appropriate effort from the medicines. When I saw him in another allack, I put him on the france above mentioned, & indeavoured to impress him with the belief that for the first day or two no benefit would be derived; & so it happened. For the first two days, he hought the complaint not relieved, but rather aggravated. He soon however became better, & before many days was entirely cured.

Affections of the head defending on disease of the stom-ach, & even on disordered action of the liver, occasionally fall under our notice. I once attended, in consultation, with a respectable physician, a lady labouring under the most violent headach. It ourned at inigular intervals somewhat like an intermettent. It have some assemblance to the case of himicrania of which I have spoken : but in Some respects it was different. The bowels having been properly opened, the valinan & back were tried: but the remedy failed of producing that permanent effect which I has diried . Some temporary relief was obtained; but The dinas soon wund, & busme as painful as ever. Before the selapse I had left off attending, & the physician who was first called tried the land twice but with. out any beneficial effect. The disease still remained unsubdend; & at his request I was again called in con-

sullation. Having found the tonic & antispassmode plan unavailing, I aproposed that our attention should be diented particularly to the hipatic Lystern, & with this view That we should examine the state of the alvine excutions, to see if they were of a natural appearance or otherwise. The coamations were of a dark green colour, rather solid, & nothing like the stools which we see in health. I proposed That we should put her whom an attention plan somether similar to that wommended by Ayre in his work on marasmus, We gave her & of a grain of realound very hour till she had taken 12 doss. On the following day the infusion of whilearle was given in order to aid the caloand in avainating the bowels, which was several times repeated. By this plan we drueded in procuring an entire change in the alumi warrations. We then found Shat we had attacked the disease in the situation which it really ourfied; & that our failure before was owing to our ignorance of this point. By the judicious use of tonis, aided by a proper dit, which was principally of animal food, a by occasional excuss in a carriago, we happily restored her to a state of health. But we were vemy mean failing entirely in consequence of the occurrence of some circumstances which produced mental depus-Dion. We observed a disposition to a summene of the dis-Low patient agained her health.

Henre in Mose obstinate headachs denominated

nervous headachs, when nation of the head, Ol, I would advise you to attend confully to the appearance of the evacuations, & if their contour Dhould indicate diseased action of the liver, that you endeavour to relieve this by small doses of calonel alternated with mild taxatives, especially whereast. This I consider as an excellent plan for restoring the healthy action of the liver. I would also advise you to pay particular attention to the condition of the surface, as recommended in dyspepsion.

Mon will oursionally meet with cases of headach in which which which may be derived from very simple remedis.

One of these is The application of other to the forchead.

The head is hable to be sweetly affected by carious teeth, In this case we can generally trace the sufferings of the patient to some one or other of the teeth affected. I recollect one being called to a lady labouring under very severe headach. Upon closely examining the patient I discovered That The symptoms arose from carious teeth. I . Therefore directed that they should be extracted, a relief was obtained. In obstinate cases of headach you should always direct your me that an old lady applied to him with shat she concios to be whenmaline of the head. Various remedies had been wind without relief. When he examined her mouth, he found deveral teeth very much duayed, & the stumps of others which had entirely gone. He extracted them, & thus succeeded in effeeting a perfact cur.

Disease of the Head after Parturition.

I have met with several cases of caphalic disease occuring in females after particution, which I consider worthy of attention. In two cases the patients were affected with convul-Dions. Convulsions previous to delivery are generally regards as very dangerous. In these two cases, hovevis, I had the plususe of seeing the patients recover their health, although the

prognostic was cutainly discouraging. Case - Wife of Charles French. - 8th mo. 1812. This was a very extraordinary case taken in all its parts. I var call. ed to the patient about 10 days after her delivery & received The following account: For two or three days after her confinement the was doing bravely : but at the end of Shat time, The was divered with a pain in her face, which deemed to affect her like the toothach. This pain doon rended from The face & took possession of the head, for thick, by direction of Dr. Dunlap, her aconcheur, she was train bled & blisteld on the back of her necks, but without relief. He gave her opiates at night, a as there appeared to be intermissions in The morning he attempted the use of back, which however did not out the case & was omitted. At the request of Dr. Dunlap the was placed under my care as family phy-Dician. When I saw her the action of her pulse was very little increased, but the still complained of pain in the head. Her shin was cool. I directed a repitition of the opi-

ate which the seemed discrous of taking. I was rather inclined to attribute her disease to a Neumatic affection of the head, & I left her that night intending to visit her in The morning in ugular course. But before sunrise her husband called on me, requesting my immediate attention in consequence of her being attached with a convulsion, Men I arrived the had come out of the struggle, but was quite lost. Tordered cups to the head immediately, sin spirms to the feet, & a laxation enema. I also directed the four part of The head to be shaved, I if she were not relaived, a blister to be applied. The cupping procured temporary while. But earby in the afternoon The was attacked with another convulsion. I got to her just as she was recovering from it, she afpeared to be in great distress, & quite incapable of expressing hersely. The blister was in mediately applied. I requested a consultation, & my worthy preciptor met me. On hearing an amount of the case, he enounaged me by daying that he had met with a very similar instance in a purpural woman, Shich Aubsided in a very Thort time under very mild treatment. As the Dr. appeared highly pleased with The treatment, It was of course continued, with the addition of a direction of Jenna & manna. This plan was diligntly pursued for sweral days, & the bowds were kept freely open. The Wister on the head drew very finely & was of great Deverier. Her mind was very singularly affected. Her memory for words was almost obliterated. The could not recollect ween the names of her own children, Light at

The same time she had a perfect conciousness of every Thing about her, & was entirely aware of his inabilities

to express herself as the wished, & several times mentioned

it. As was predicted by Dr. Wistan, this unpleasant state

gradually subsided, & the was restout to the usual exer

cise of her mental powers.

Since the above case Thave Jun a young man who in consequence of a violent concussion of the brain, la bound under the state state of mind. He was awared The circumstances which were passing around him; but his memory for names was gone, & he had no power of expressing himself. He wished to speak to his father of In dian corn; but was totally unable to revollect the name, I was found to resort to motions to explain himself. Since the case of Many French, I was called in con Auttation to an assirable young lady at Burlington, who Some days after particution was sieged with similar convulsions. She was confined with the first child. The Dame practice was employed as in the former instance, for a few days looked gloomy, I there was great reason to appulated the most impleasant usult, yet I was ena blid to cheer them by an account both of my own privious experience & that of Dr. Wistar; & I relate these cases that under dimilar circumstanus, you may enjoy the same? advantago.



